

Závislost kvality výstupů na charakteru spolupráce pro jednotlivé obory

Jak už bylo uvedeno ve „Zprávě o výzkumné činnosti ústavů AV ČR za období 2012-2016“, výstupy lze porovnávat na národní úrovni tak, že se měří AIS hodnoty jejich časopisů. Problém, který zde vzniká, je velký rozdíl mezi ryze národními výstupy (typ A a B) a výstupy z široké mezinárodní spolupráce (typ D). V drtivé většině oborů mají výstupy typu D výrazně větší hodnoty AIS ve srovnání s typem A a B; často je rozdíl mnohonásobný a smícháním obou typů se stane, že typ A a B „utone“ a dostane se do posledního kvartilu. Abychom využili informaci, kterou grafy obsahují, oddělili jsme tyto dvě kategorie a hodnotili zvlášť. To umožní posoudit, jak dalece se podařilo mezinárodní zkušenosti dostat do našich laboratoří (zda vysoce kvalitní výsledky se začínají objevovat i pro typy A a B) a které týmy v ČR jsou nejlepší v národních podmínkách a zvyšují svoji úroveň. Proto byly vypracovány závislosti „kvality časopisu“, tj. AIS na „míře mezinárodní spolupráce“, tj. podílu českých autorů na autorském kolektivu (CR/ALL). Tyto závislosti jsou znázorněny v souboru „Grafy AIS vs CR ku ALL“ pro většinu oborů z WoS.

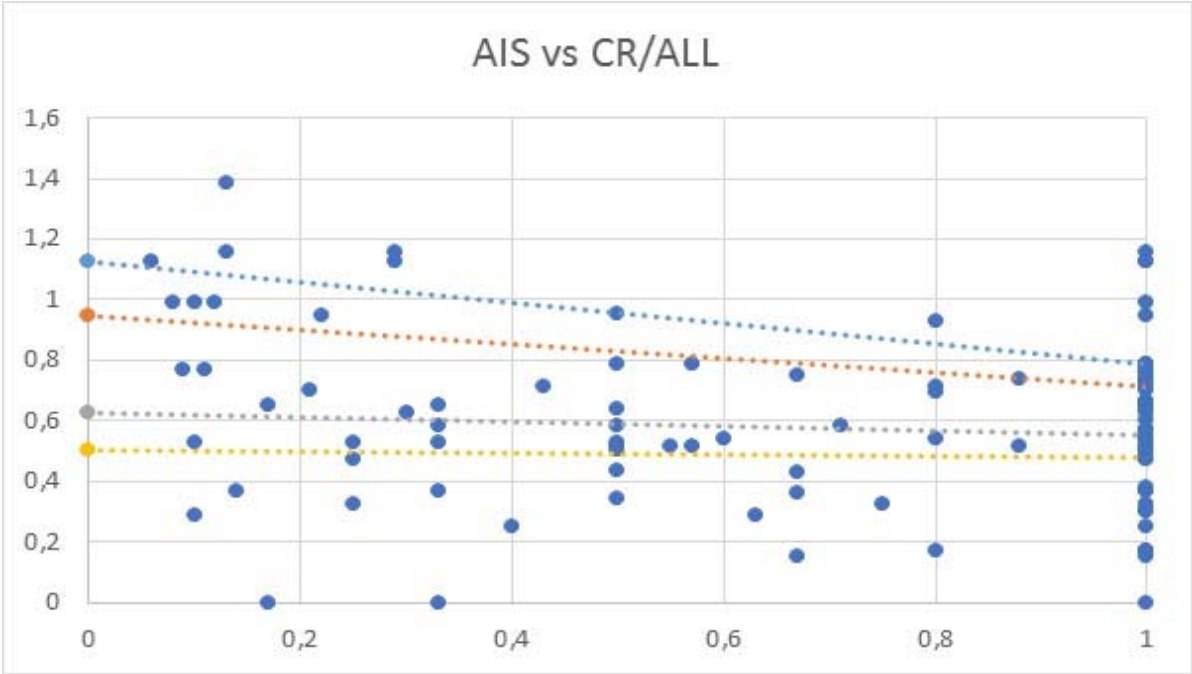
Pro ilustraci situace v jednotlivých oborech jsou grafy AIS vs CR/ALL uvedeny v příloze „Informace o oborech“. Jednotlivé body znázorňují české výstupy, vpravo je na svislé ose nad bodem CR/ALL=1, shluk bodů pro ryze národní výstupy. Analýza pro stanovení kvartilů a horního decilu byla provedena pro pravou a levou stranu grafů zvlášť a výsledné body byly spojeny přímkou: modře pro horní decil, oranžově pro horní kvartil, šedě pro 2. kvartil a žlutě pro 3. kvartil. Vidíme zde tedy kvalitu v národním měřítku jak pro ryze národní výstupy (nebo ty, které byly vytvořeny jen v daném ústavu), tak pro výstupy získané v široké mezinárodní spolupráci. Uprostřed pak jsou výstupy se středním zastoupením vědců české strany a ze zahraničí. Tento výsledek se pak promítá do grafů ve zprávě (vpravo nahoře), kde A a B jsou výstupy, u nichž je CR/ALL=1 (pravá strana) a D jsou výstupy z široké mezinárodní spolupráce.

U mezinárodních spoluprací lze hodnotit jejich zastoupení a kvalitu spolupráce. Je logické, že učit bychom se měli u těch nejlepších, tj. kvalita v levé části grafu by měla být pokud možno vyšší než je průměrná světová úroveň. V takových případech budou hodnoty AIS pro kvartily a horní decil odečtené z tabulky „Kritické hodnoty AIS“ menší ve srovnání s levou

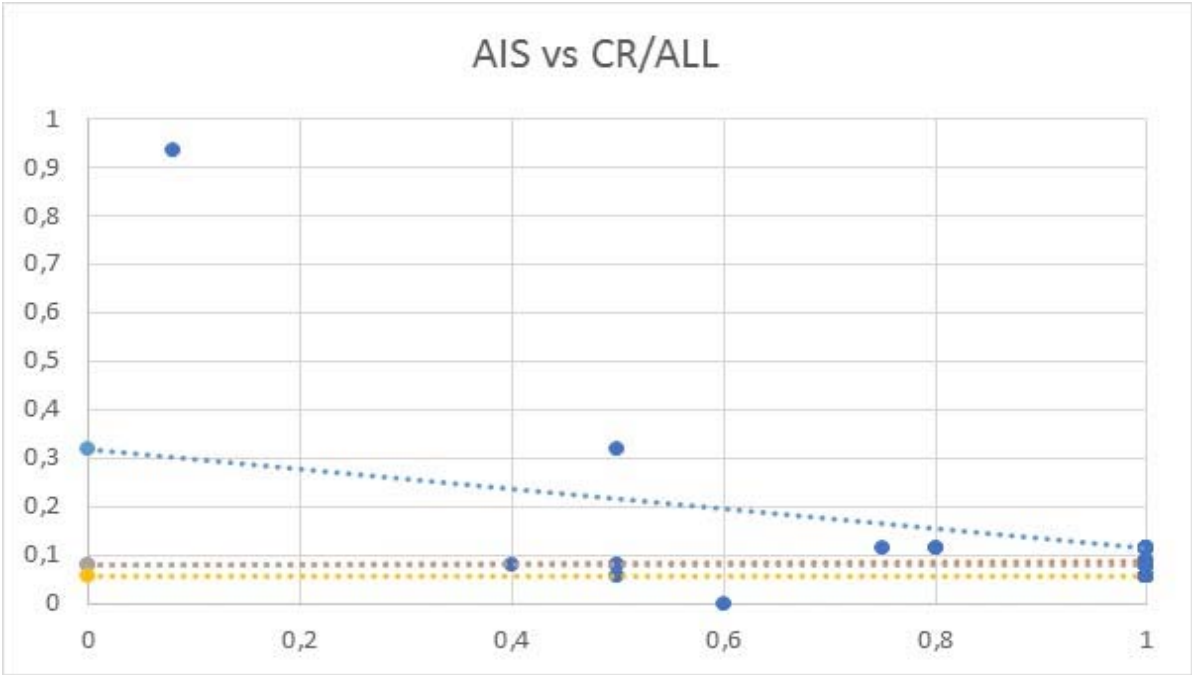
stranou grafů v „Grafu AIS vs CR ku ALL“ (kde končí přímkami oddělující jednotlivé kvartily a horní decil). V řadě oborů je to dobře vidět.

Nutno upozornit, že charakter mezinárodní spolupráce není sám o sobě indikátorem kvality výzkumu a jsou výstupy získané v mezinárodní spolupráci publikované v méně významném časopise. Skutečná kvalita se pak může projevit vysokou citovaností nebo při mezinárodním posouzení nezávislými experty. Také horší kvalita časopisů u národních výstupů nemusí znamenat nutně horší kvalitu výstupu – to se může opět projevit citovaností nebo k tomu mohou dospět při hodnocení nezávislí experti. Naopak vysoká hodnota AIS u výstupů s mezinárodní účastí nemusí znamenat nutně kvalitu – nižší kvalitu mohou naznačit citace nebo hodnocení.

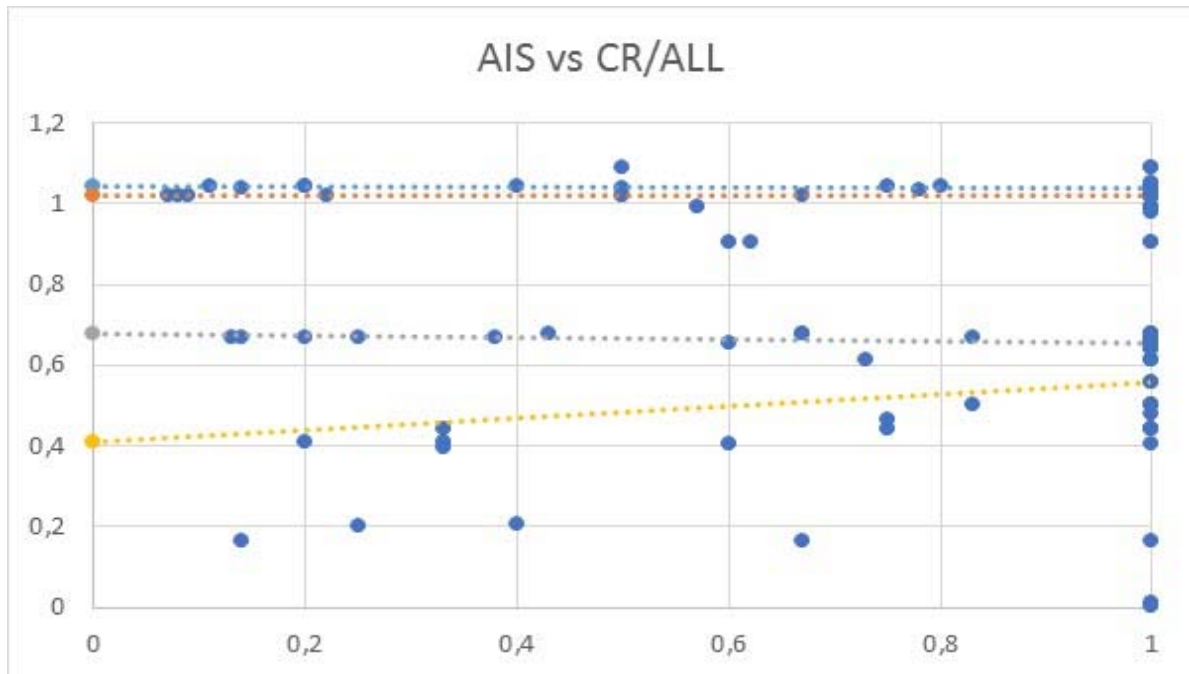
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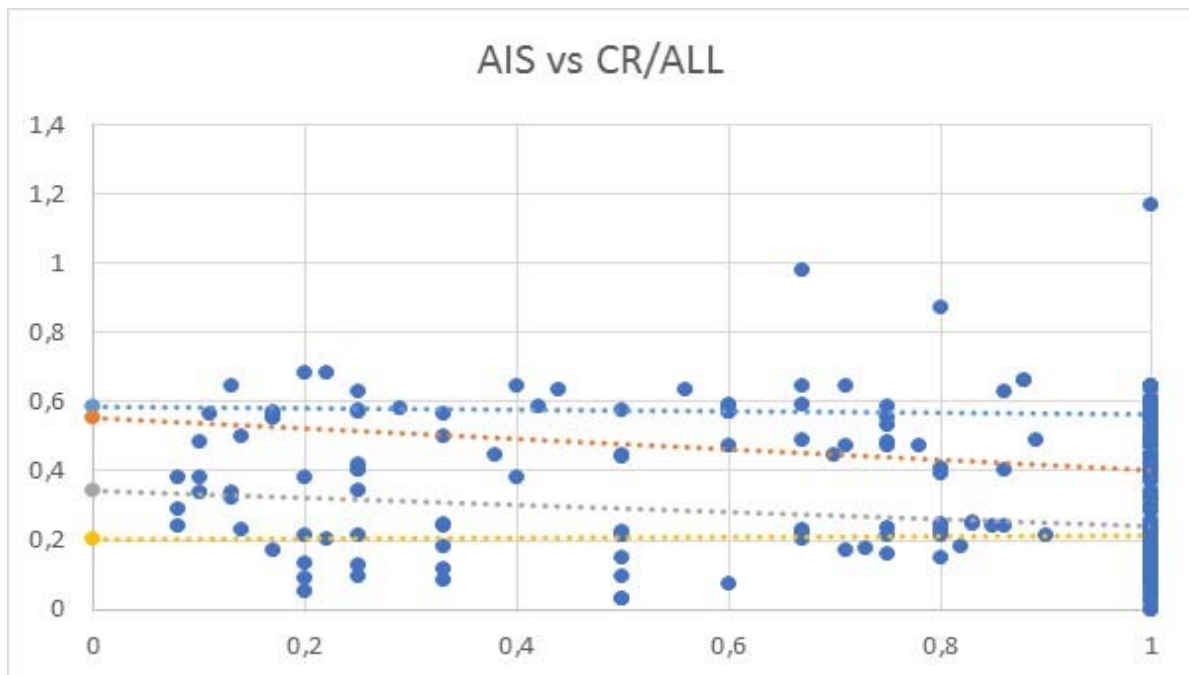
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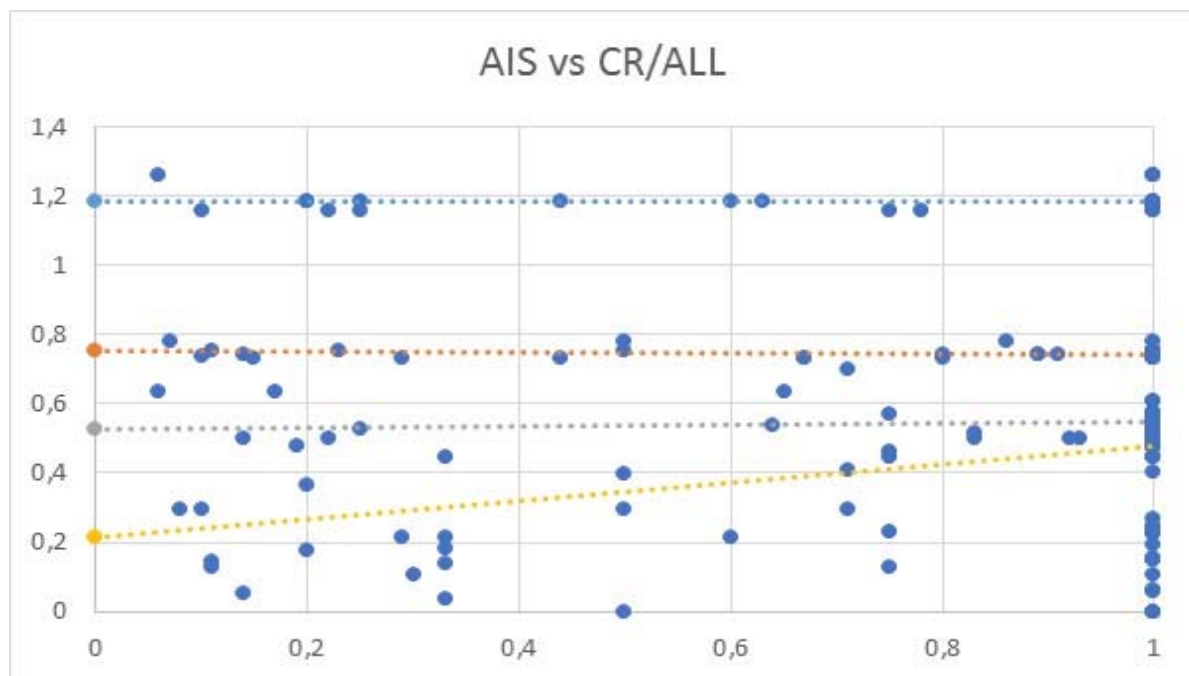
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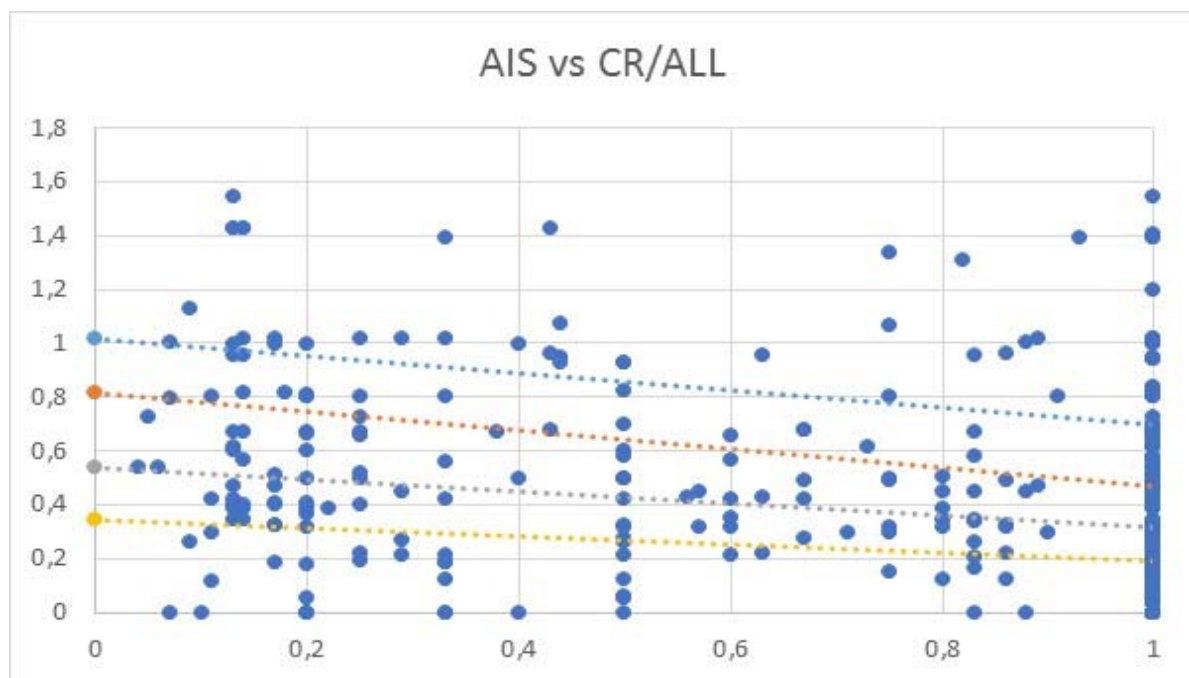
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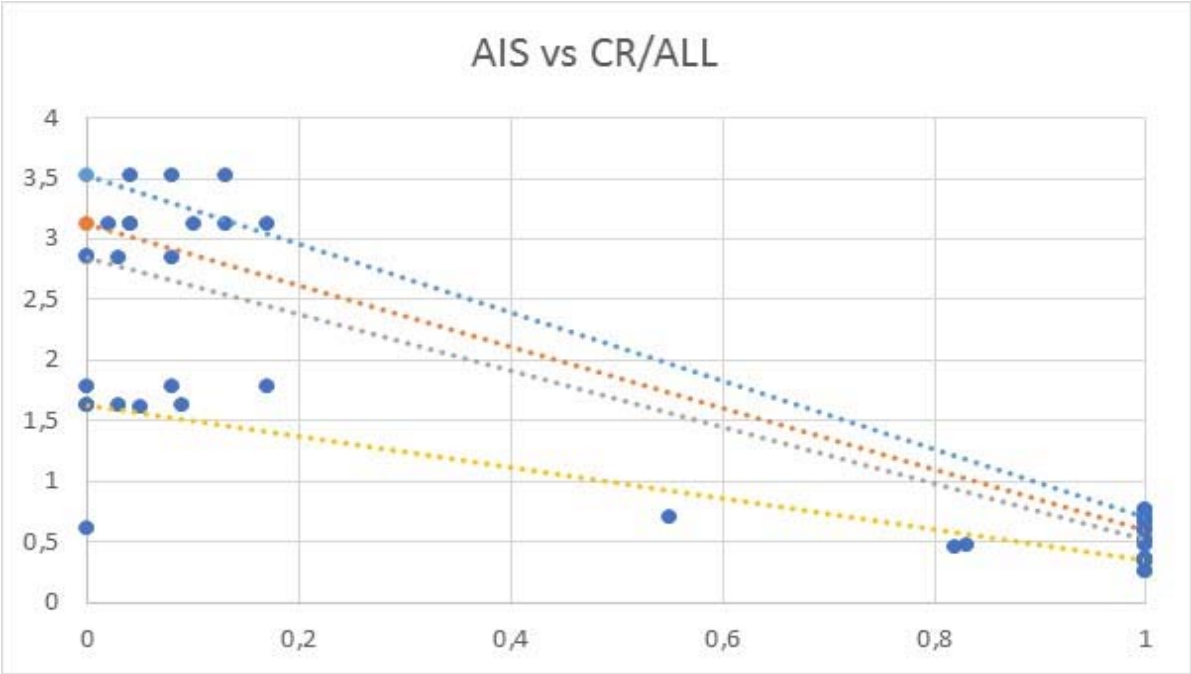
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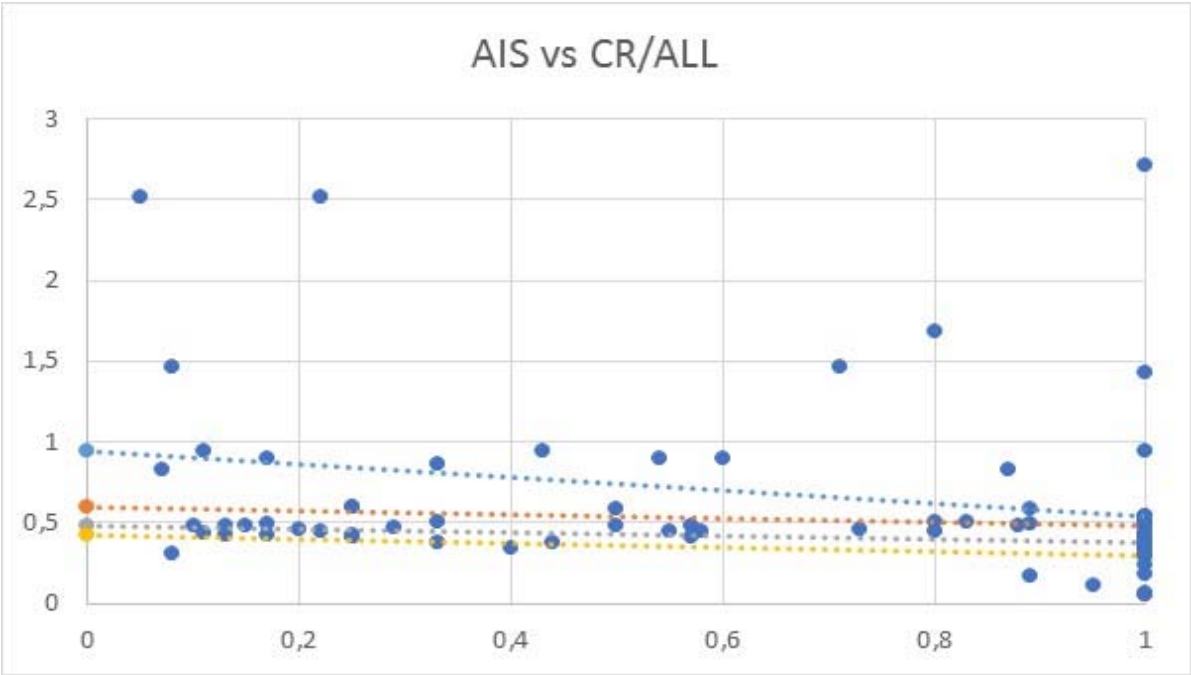
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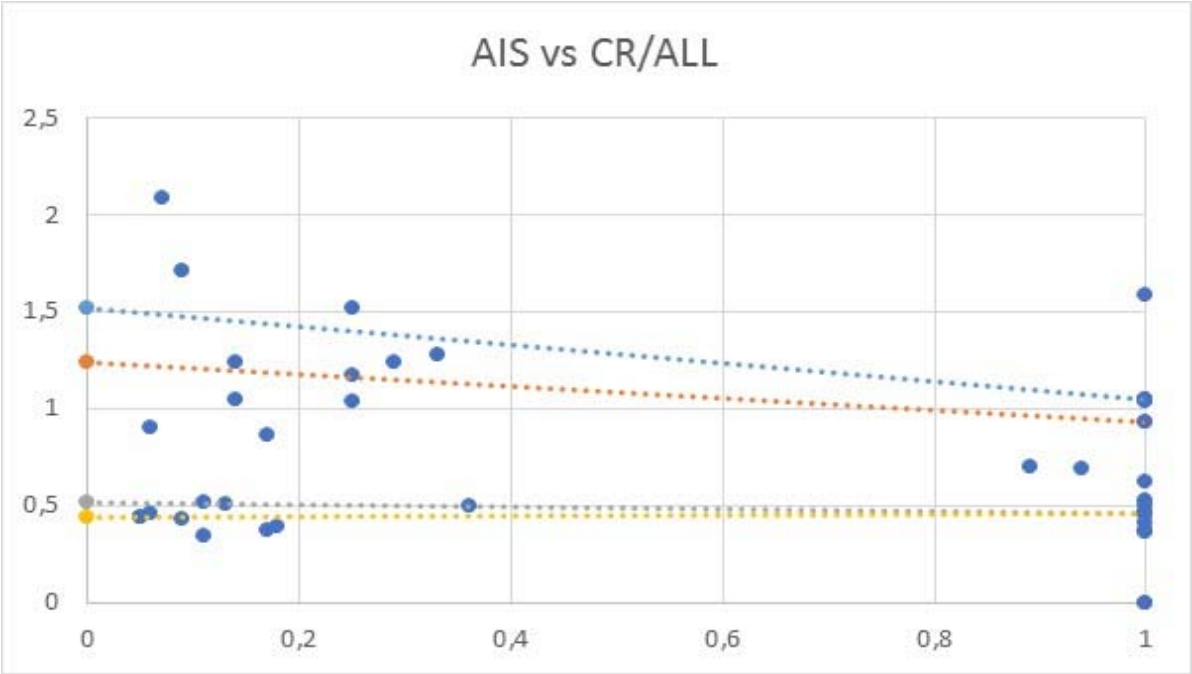
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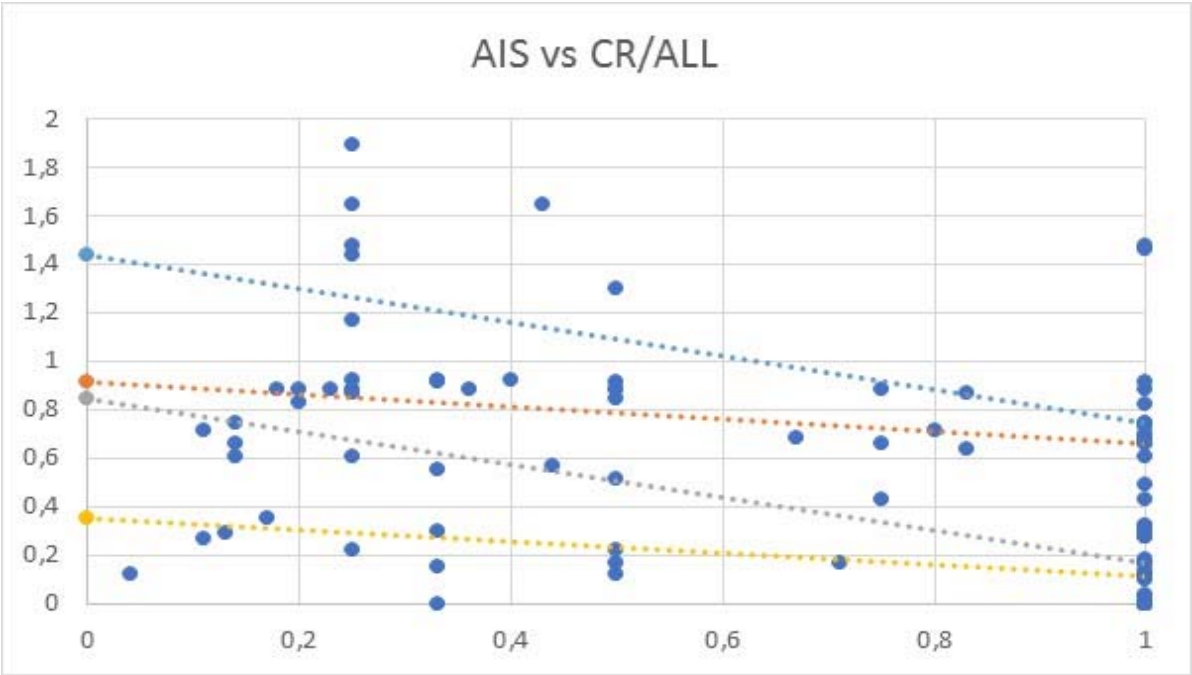
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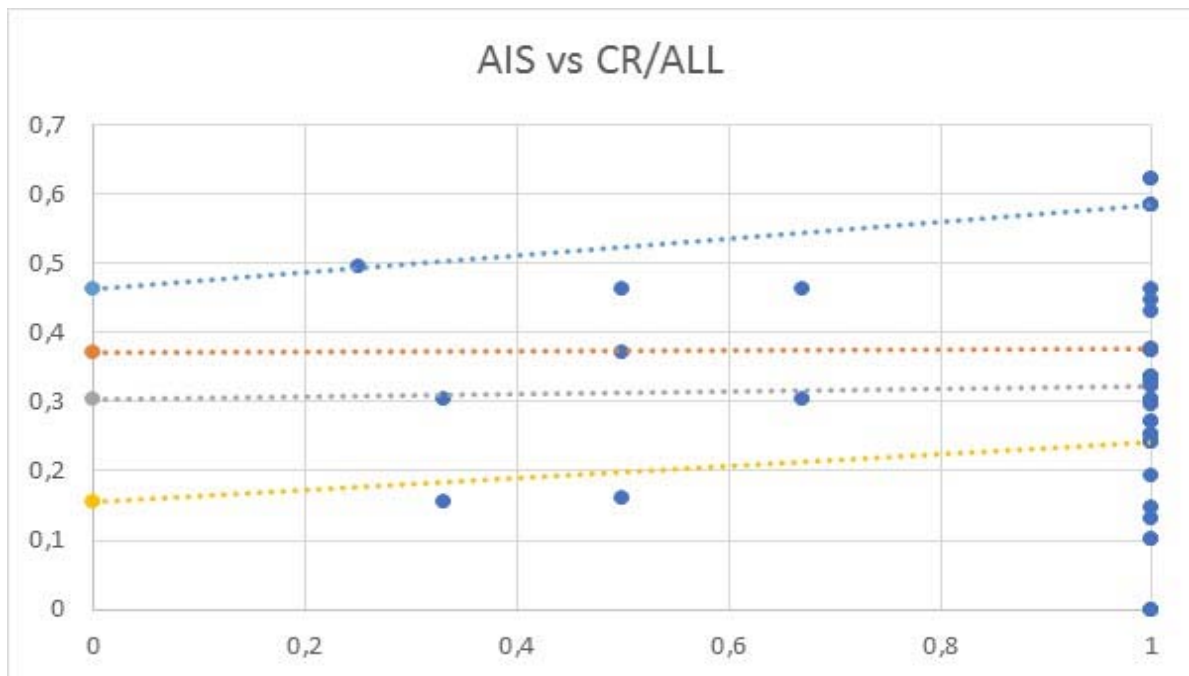
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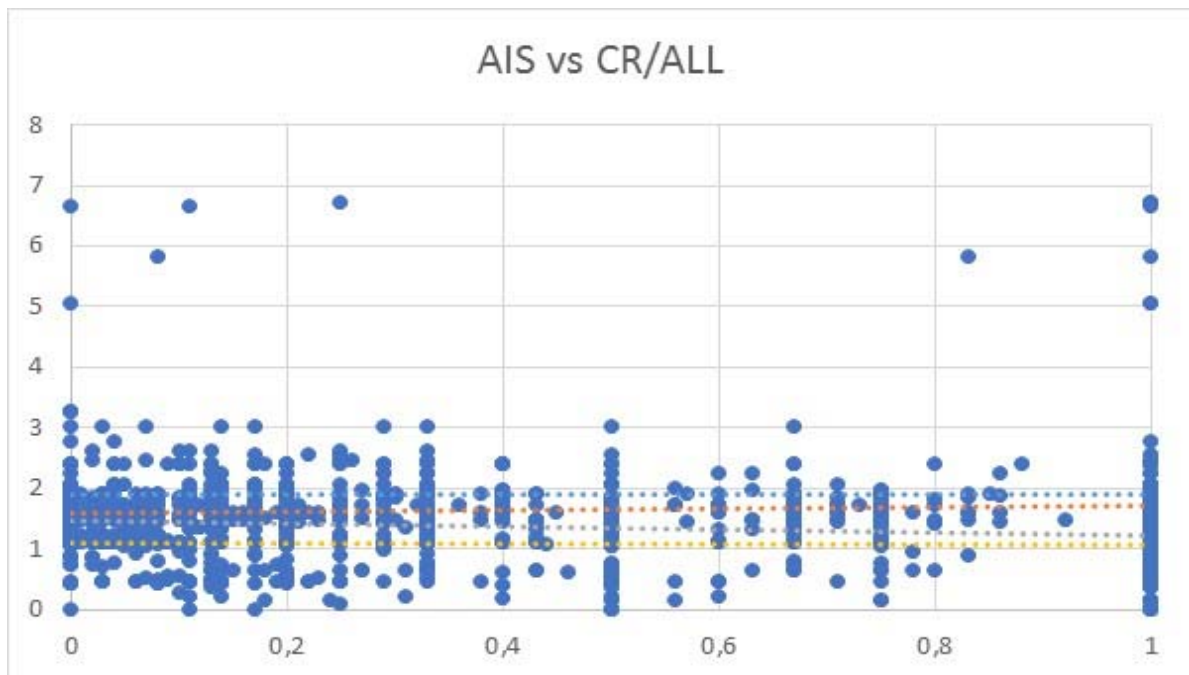
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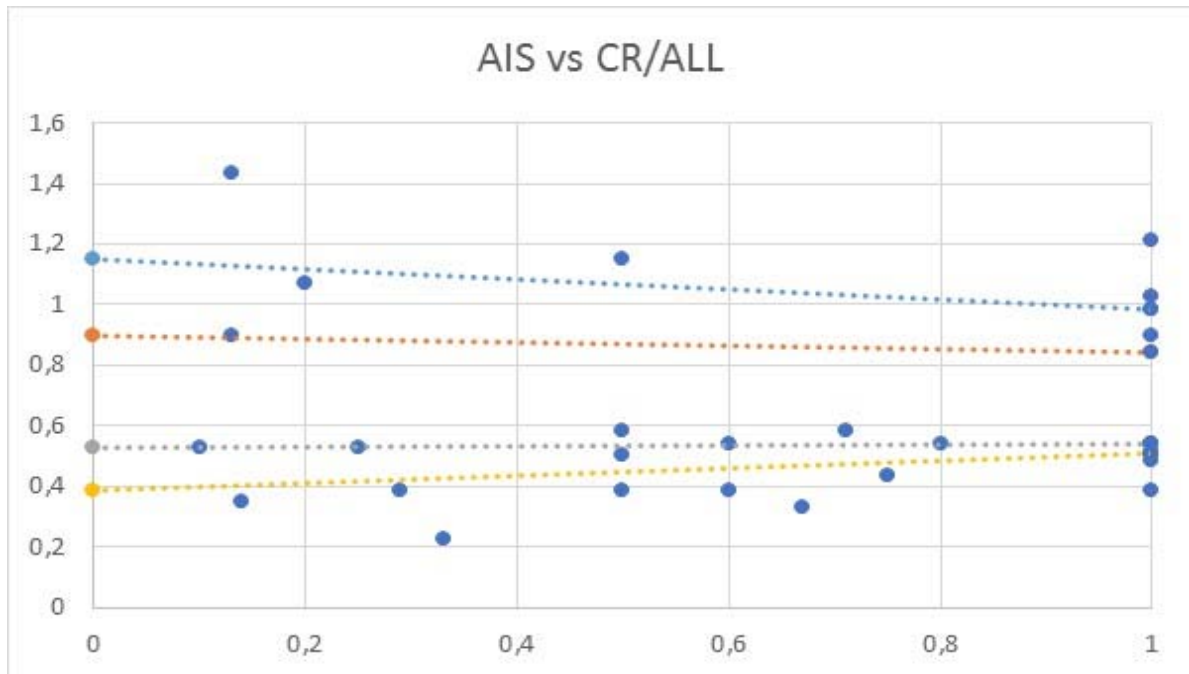
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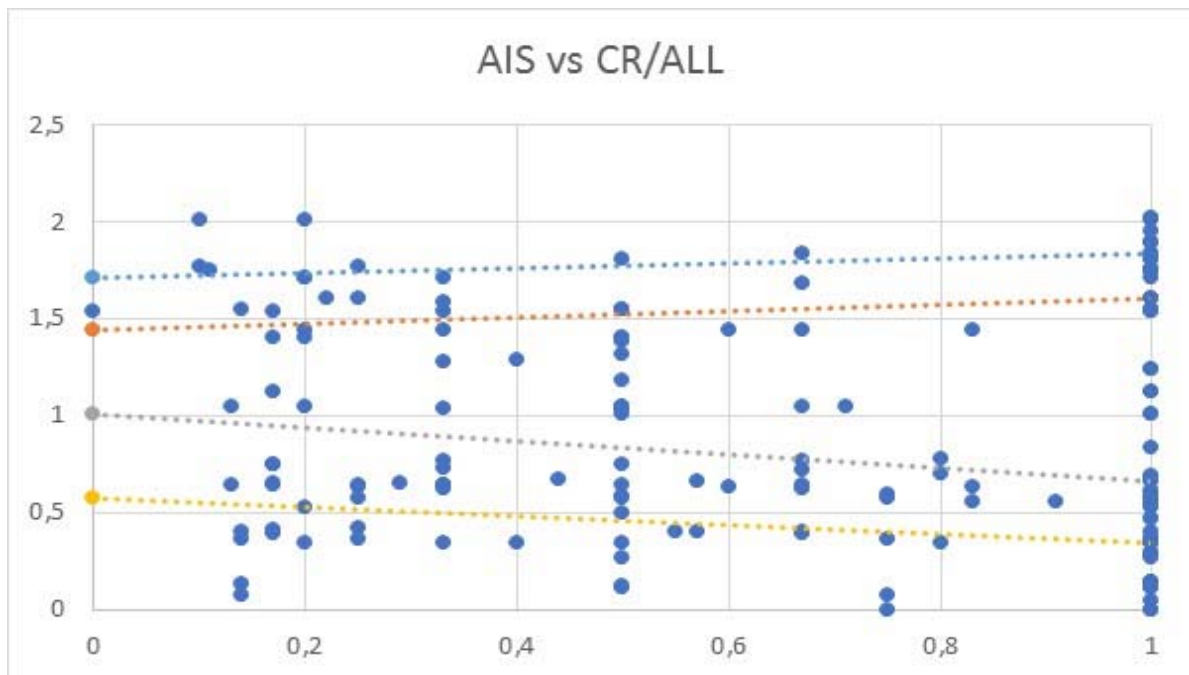
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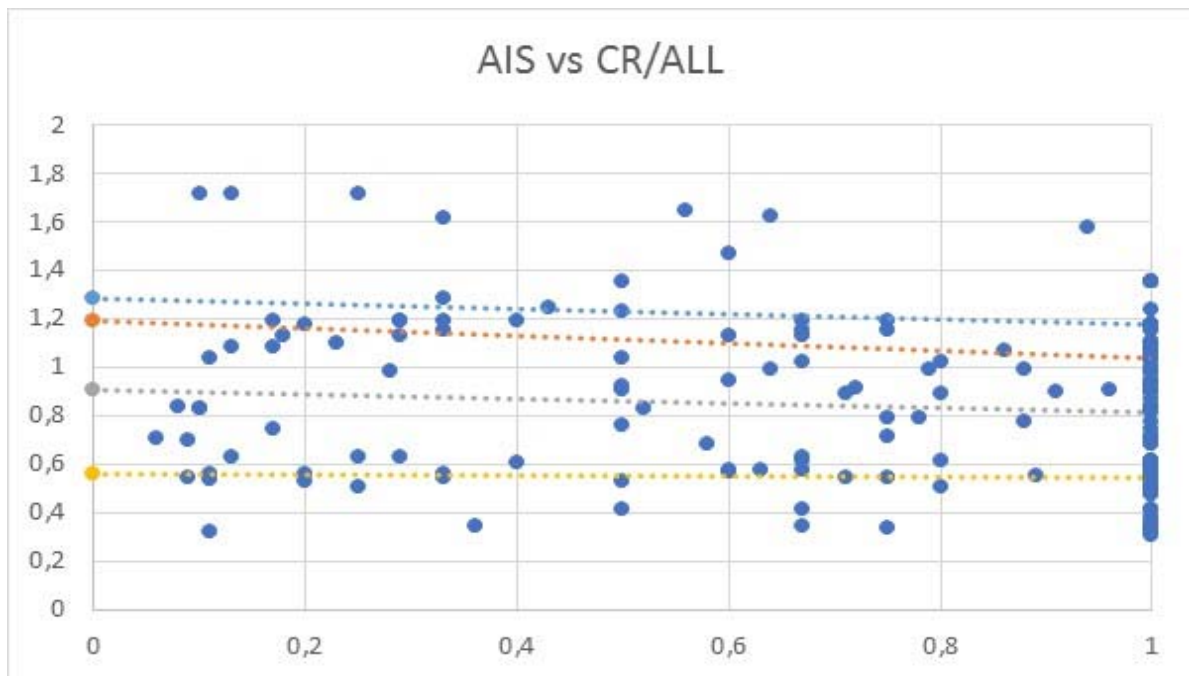
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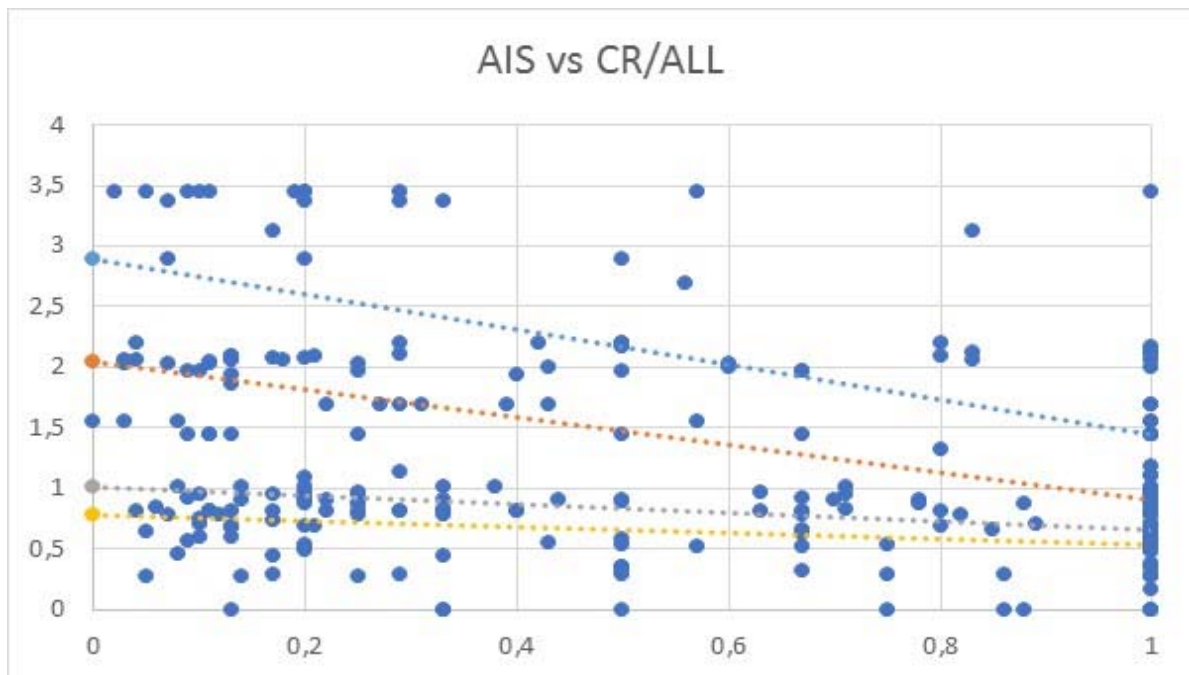
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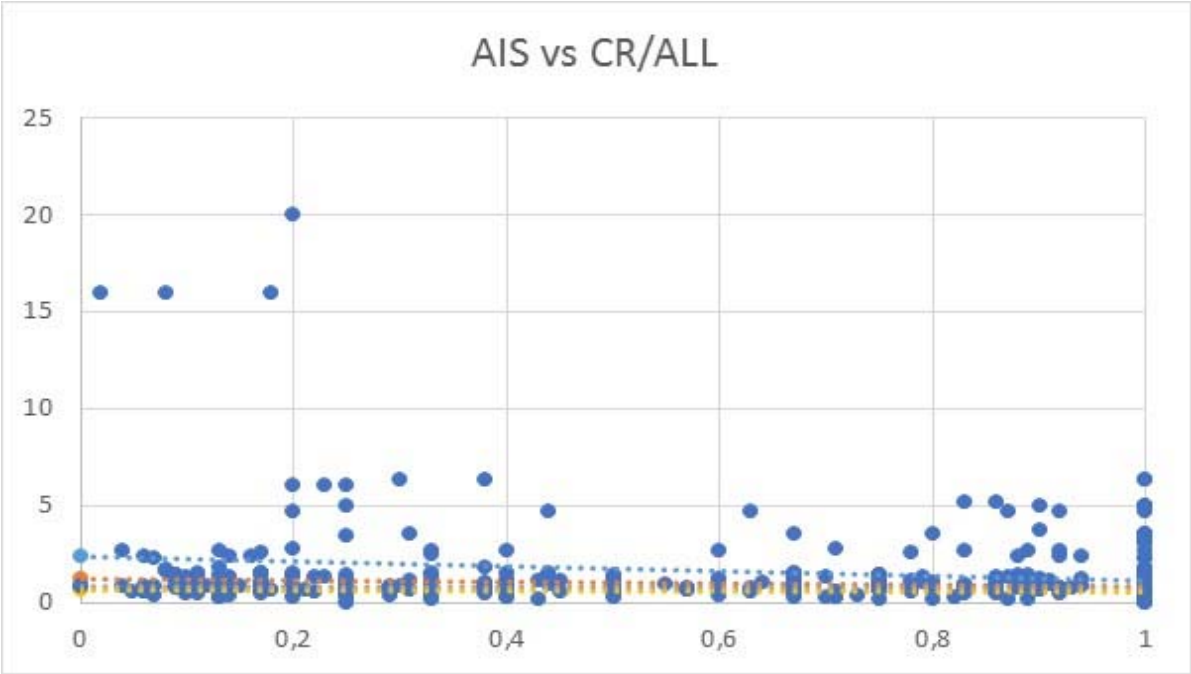
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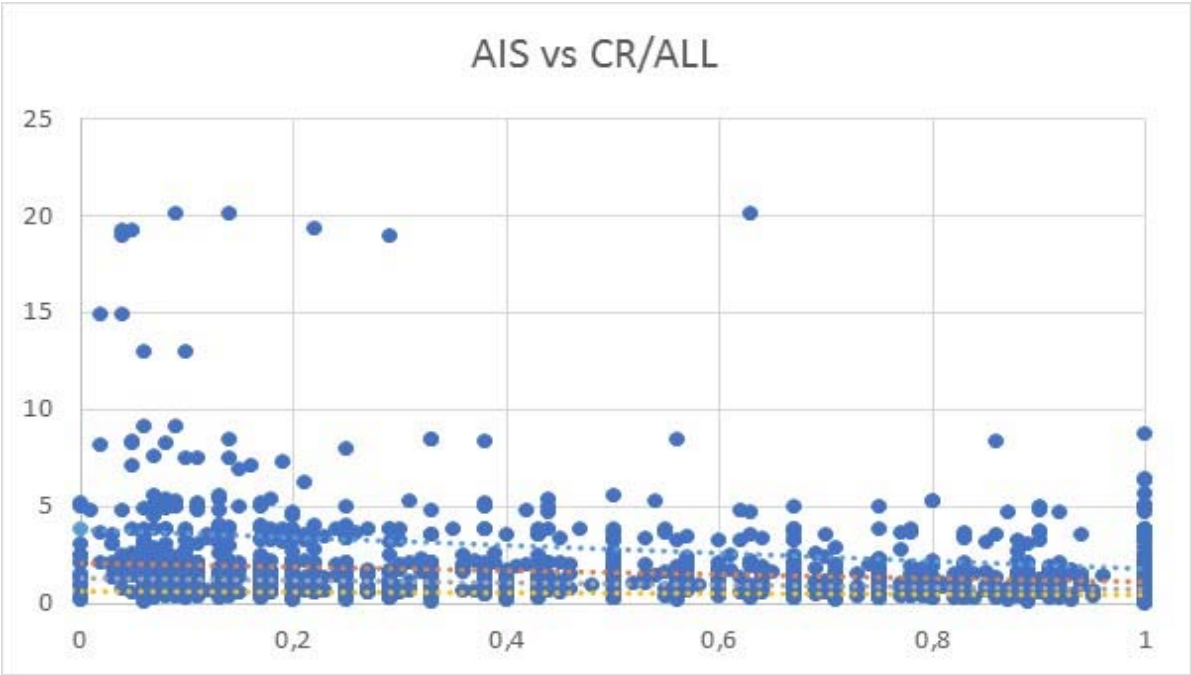
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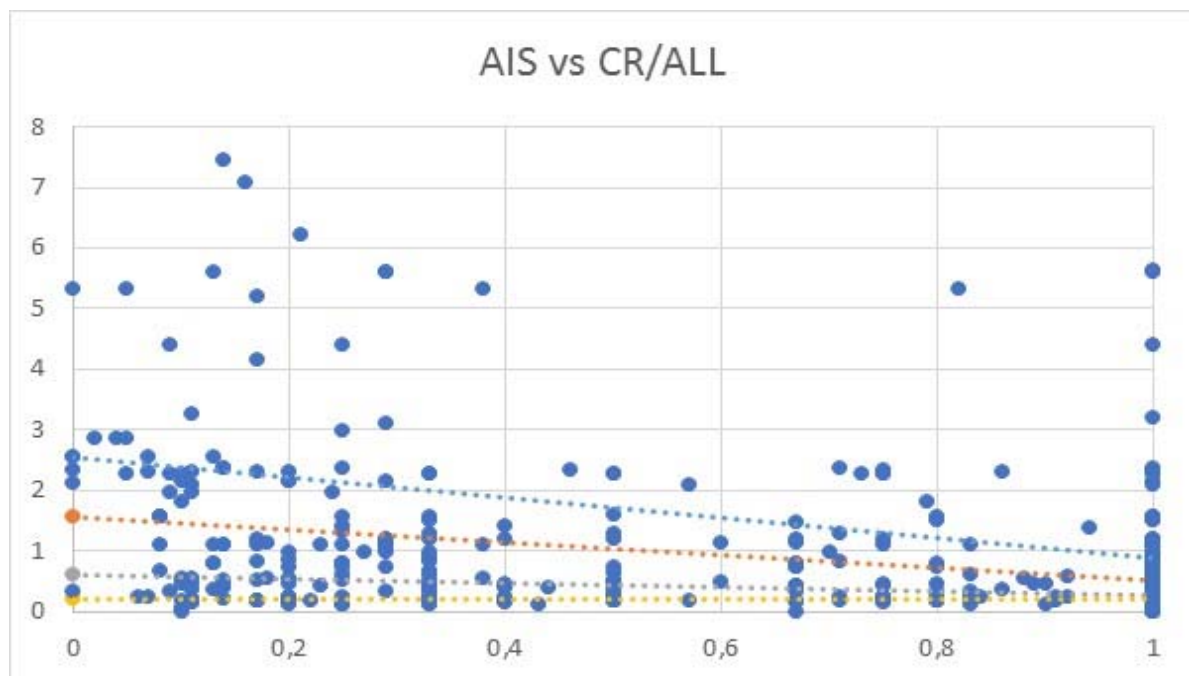
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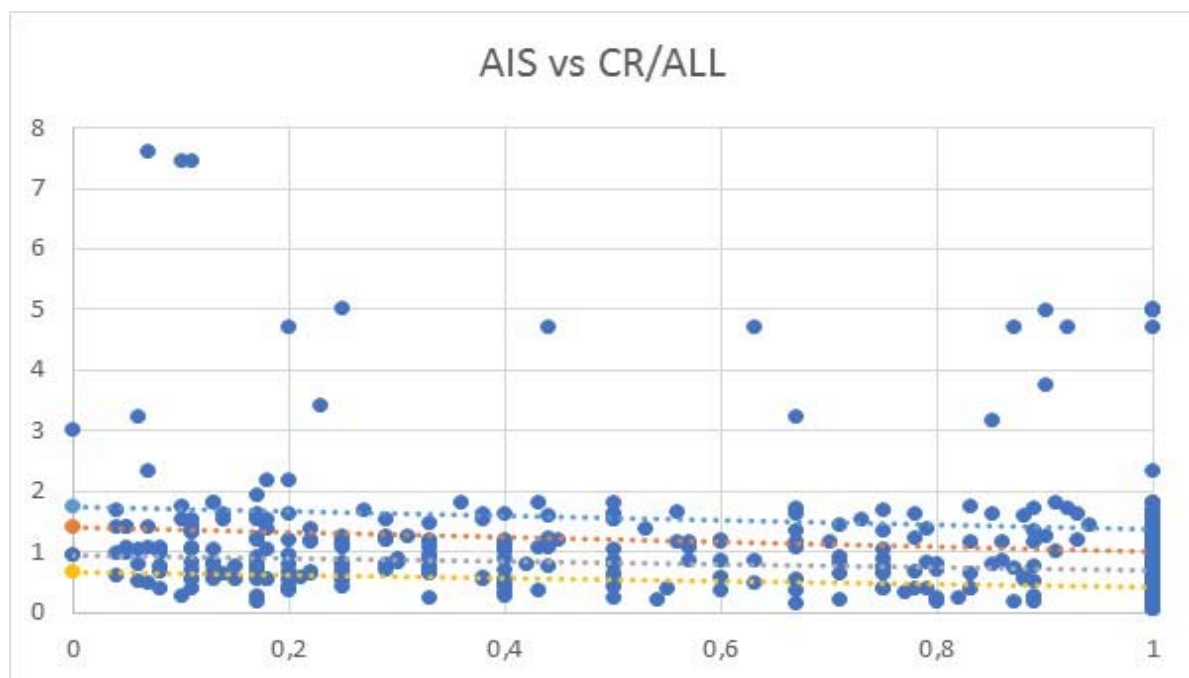
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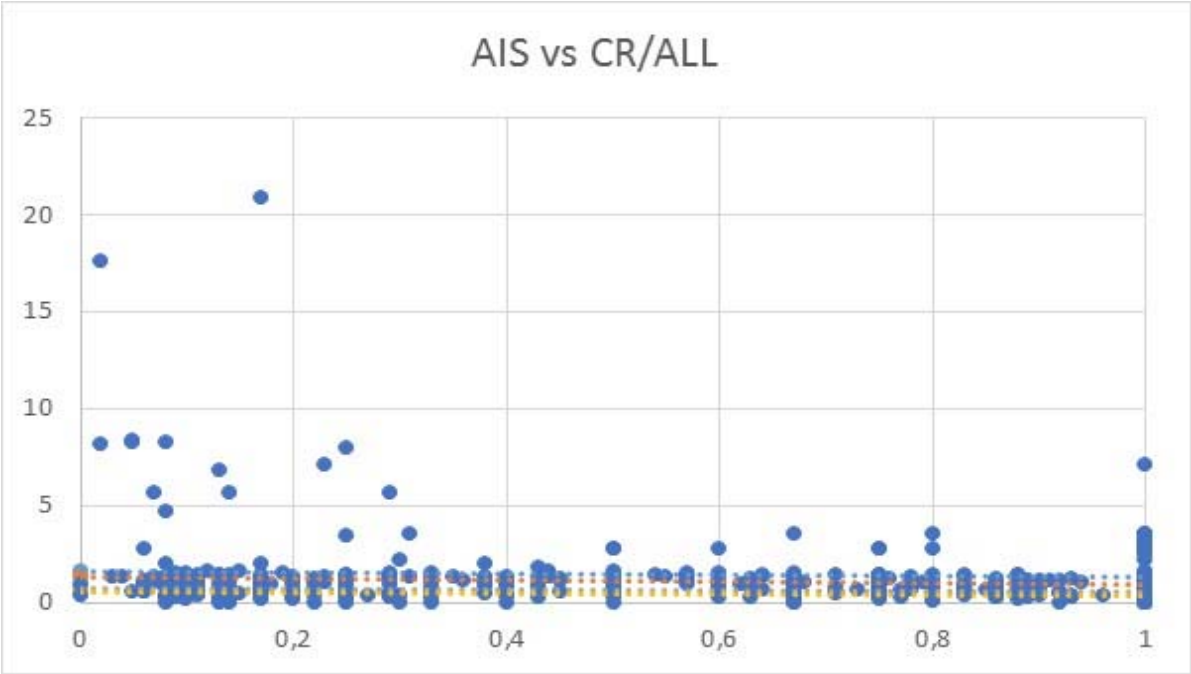
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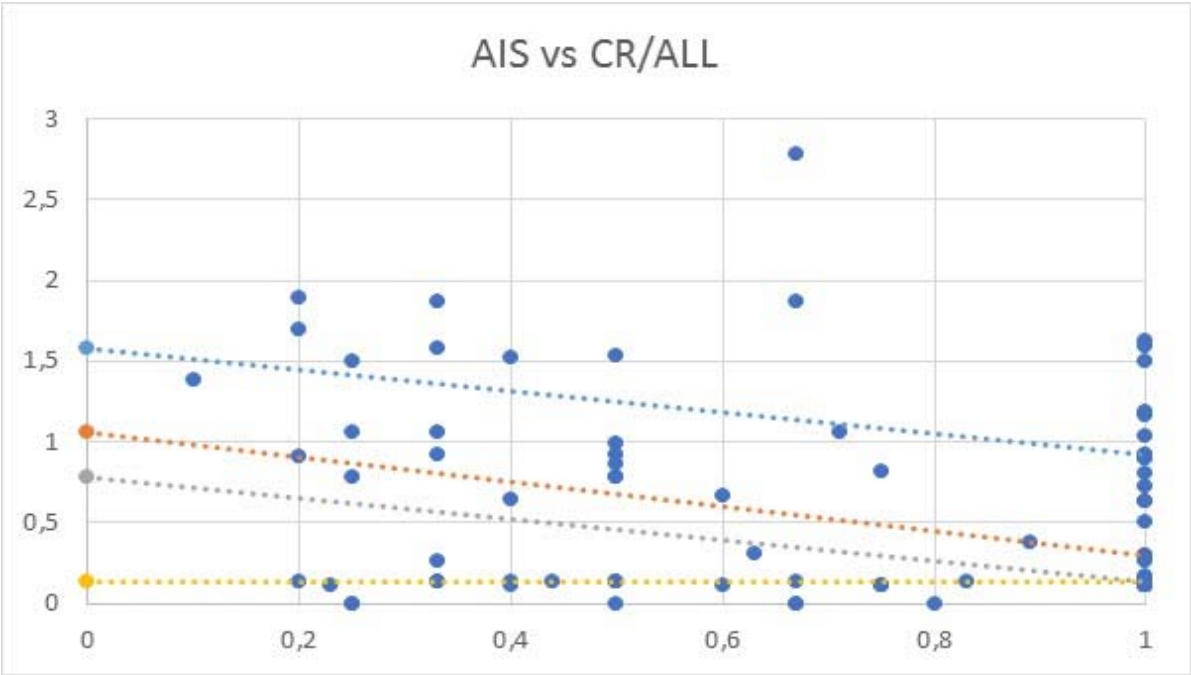
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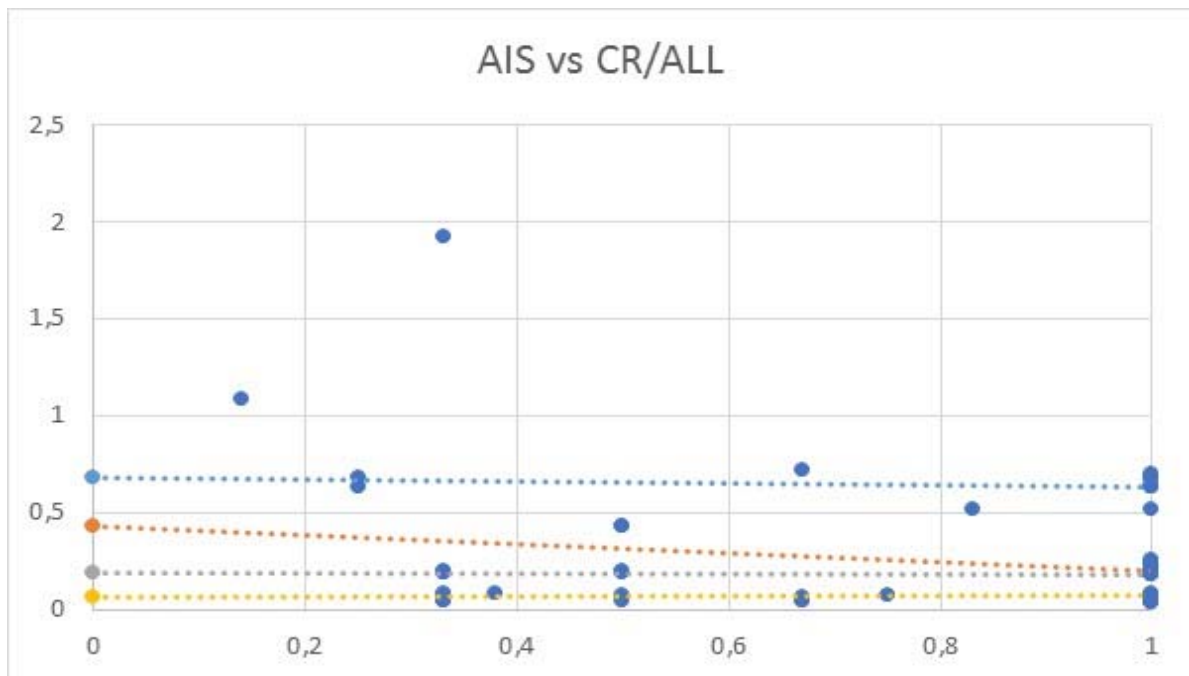
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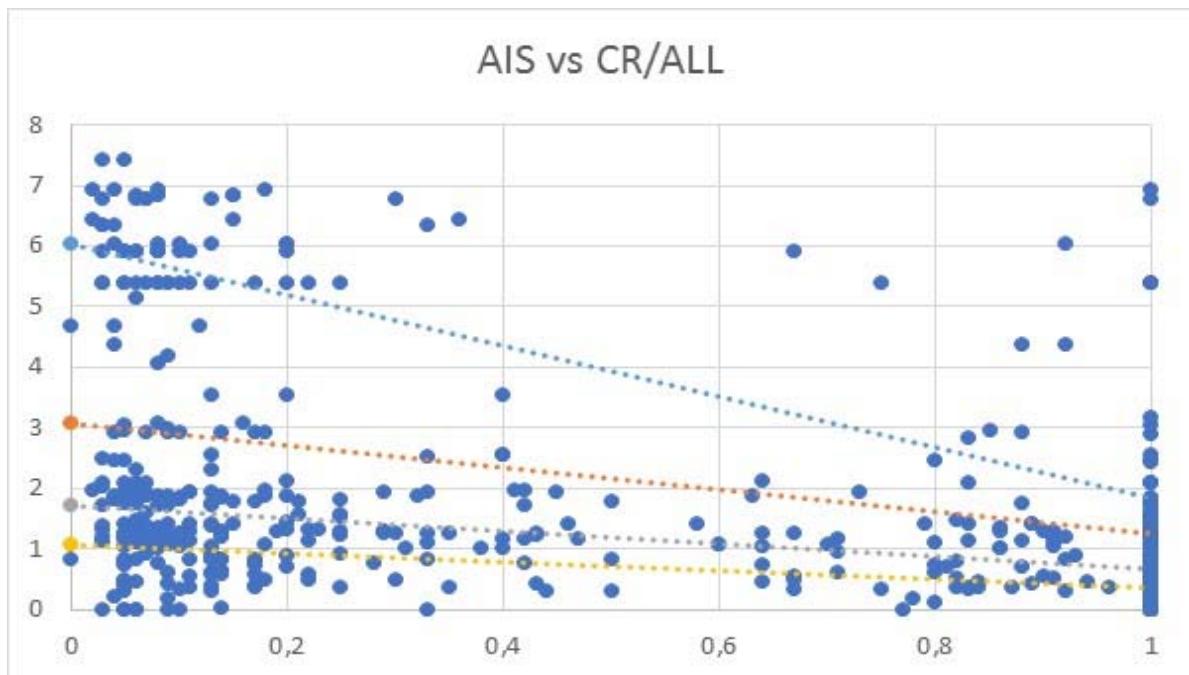
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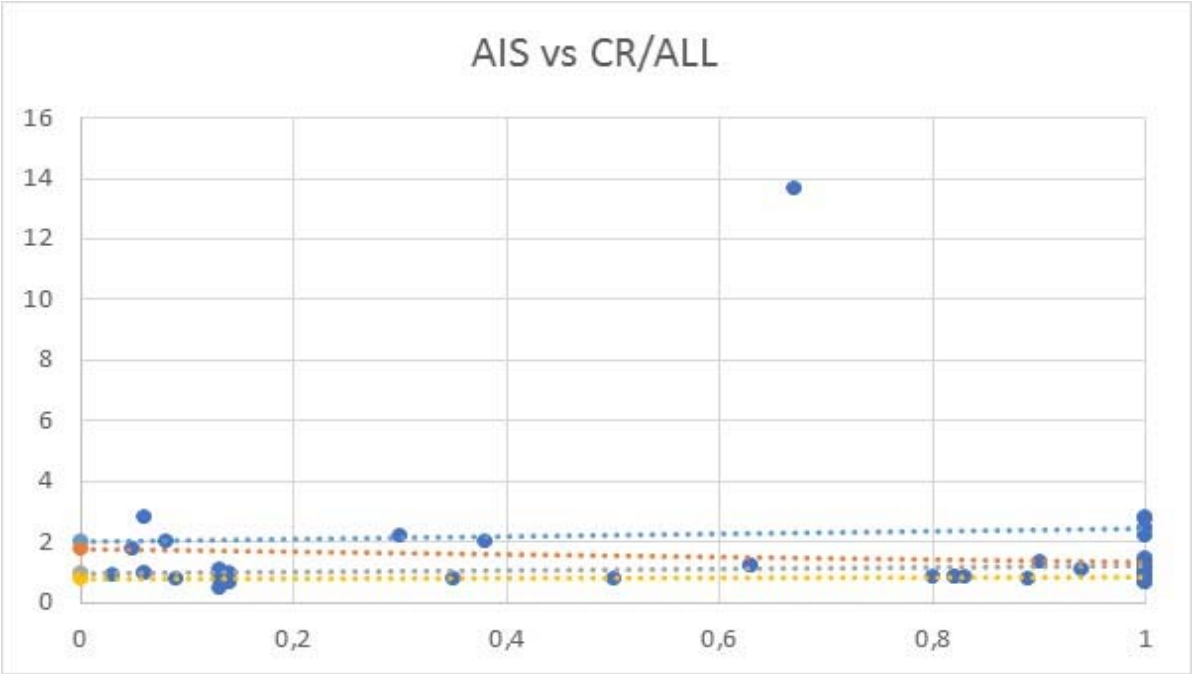


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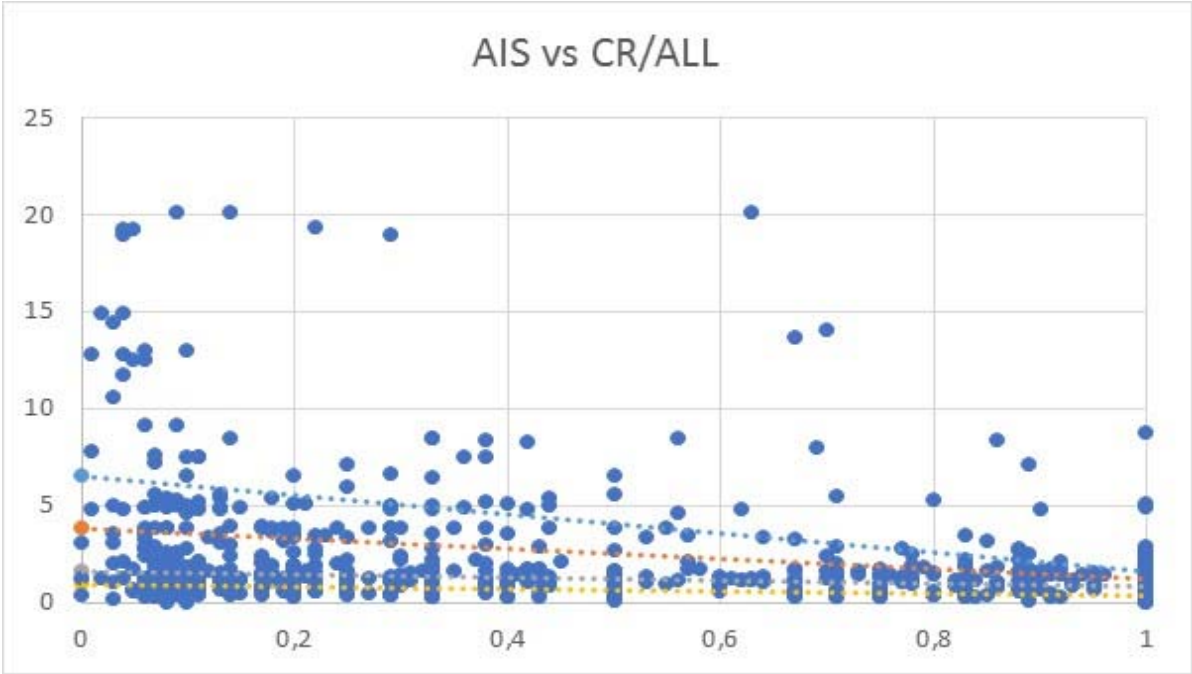


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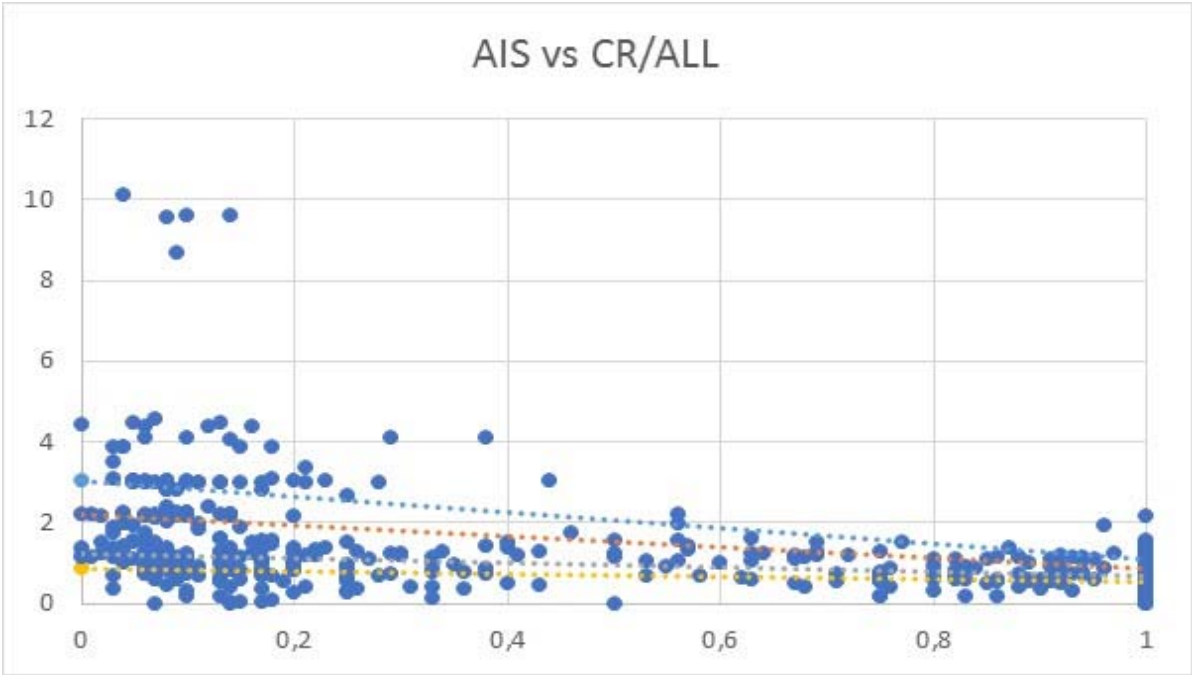




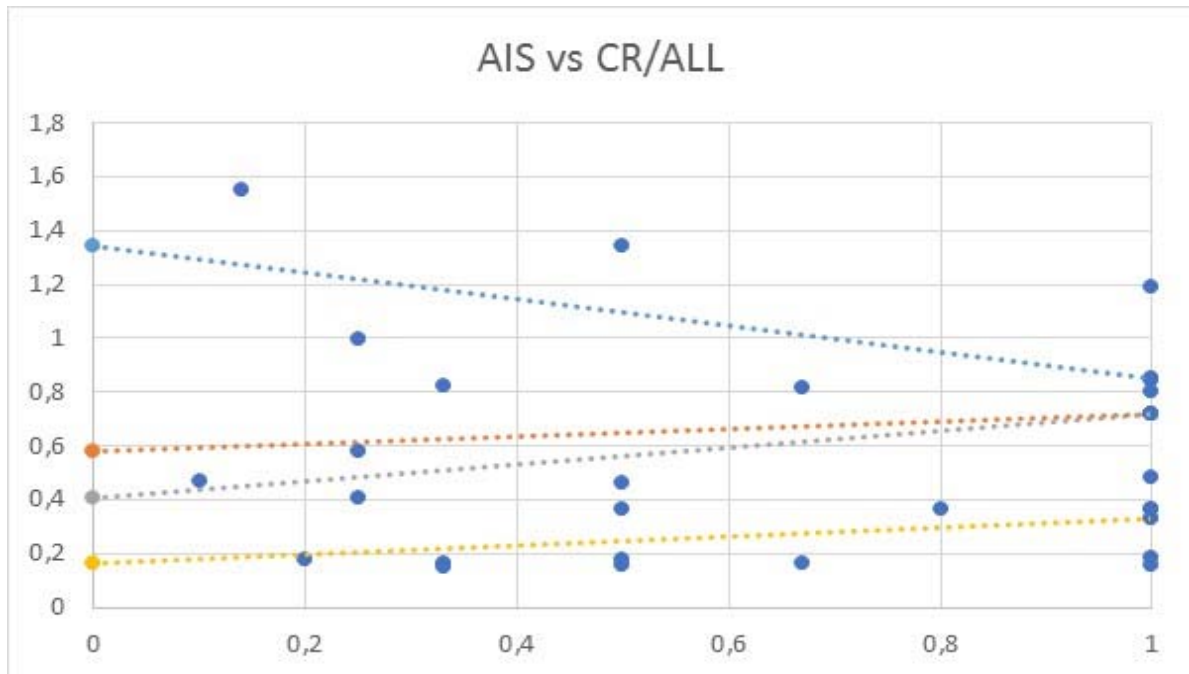
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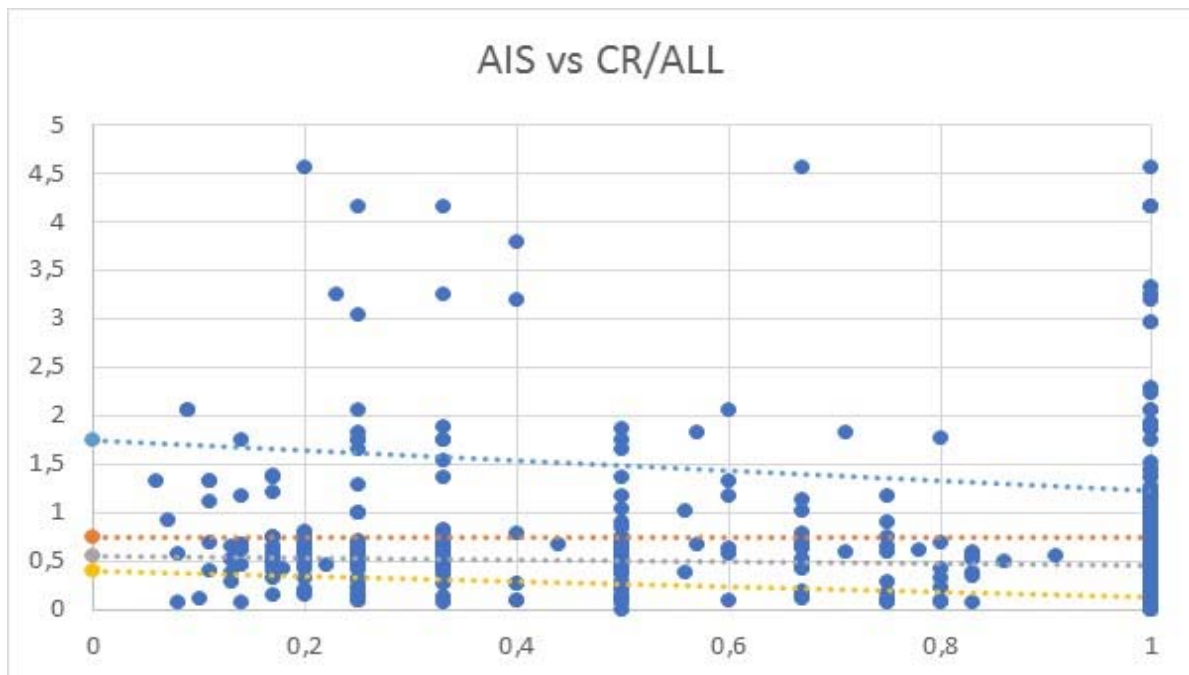
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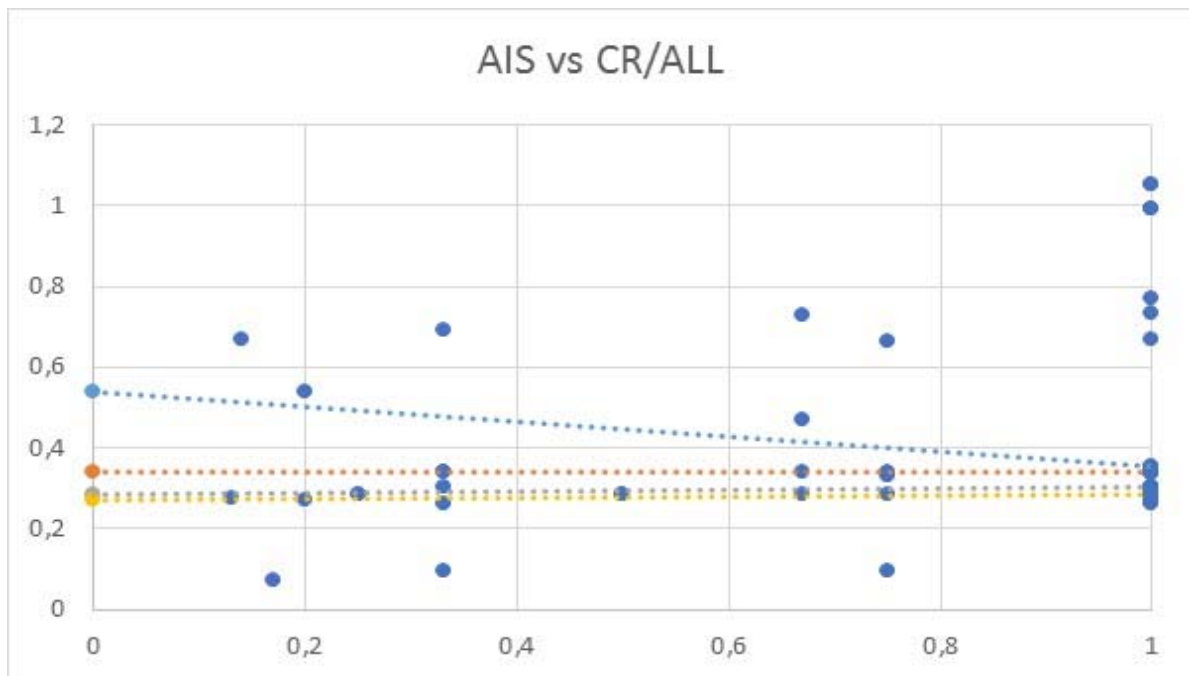
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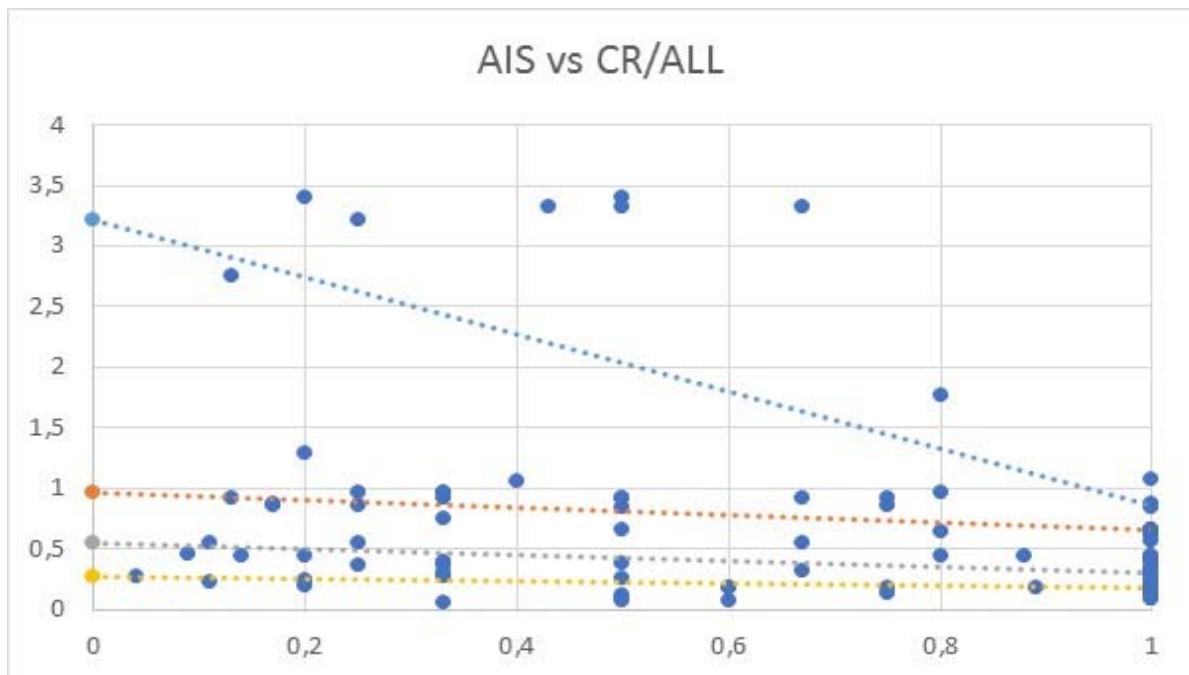
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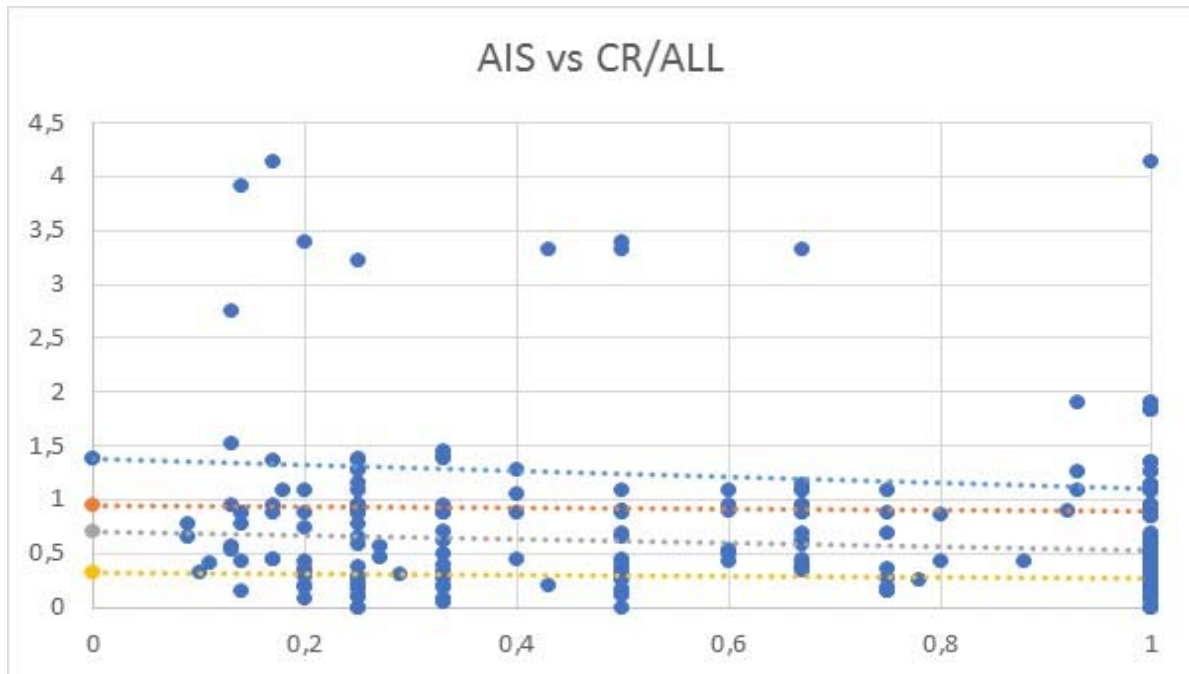
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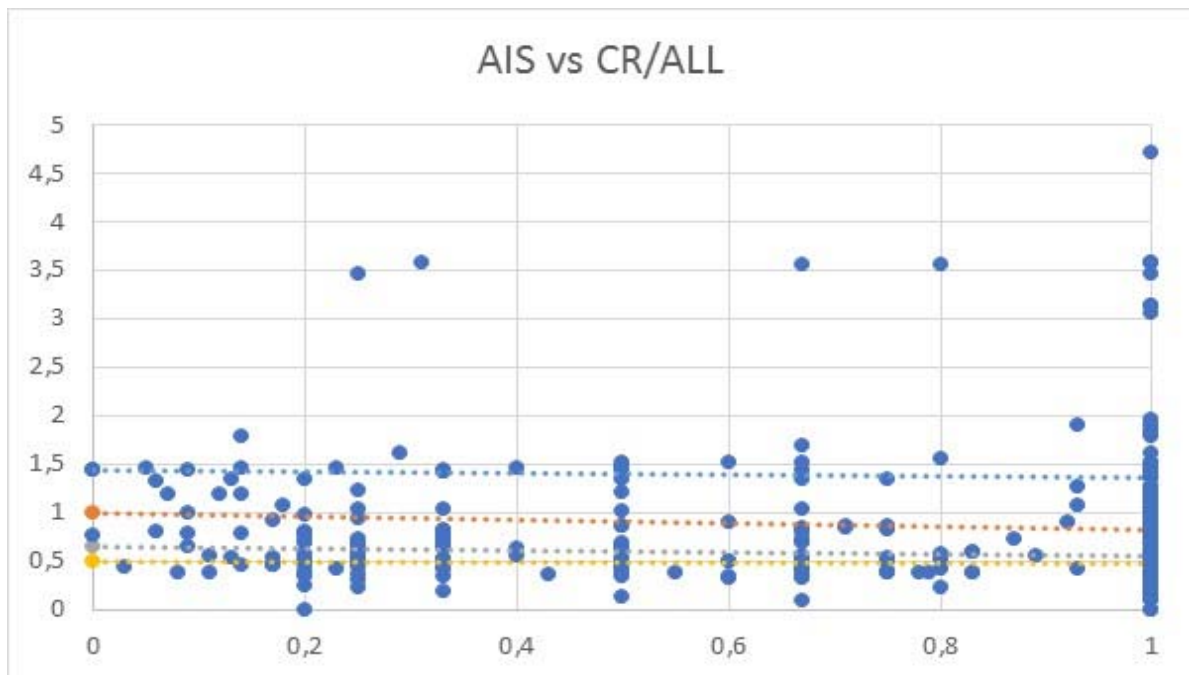
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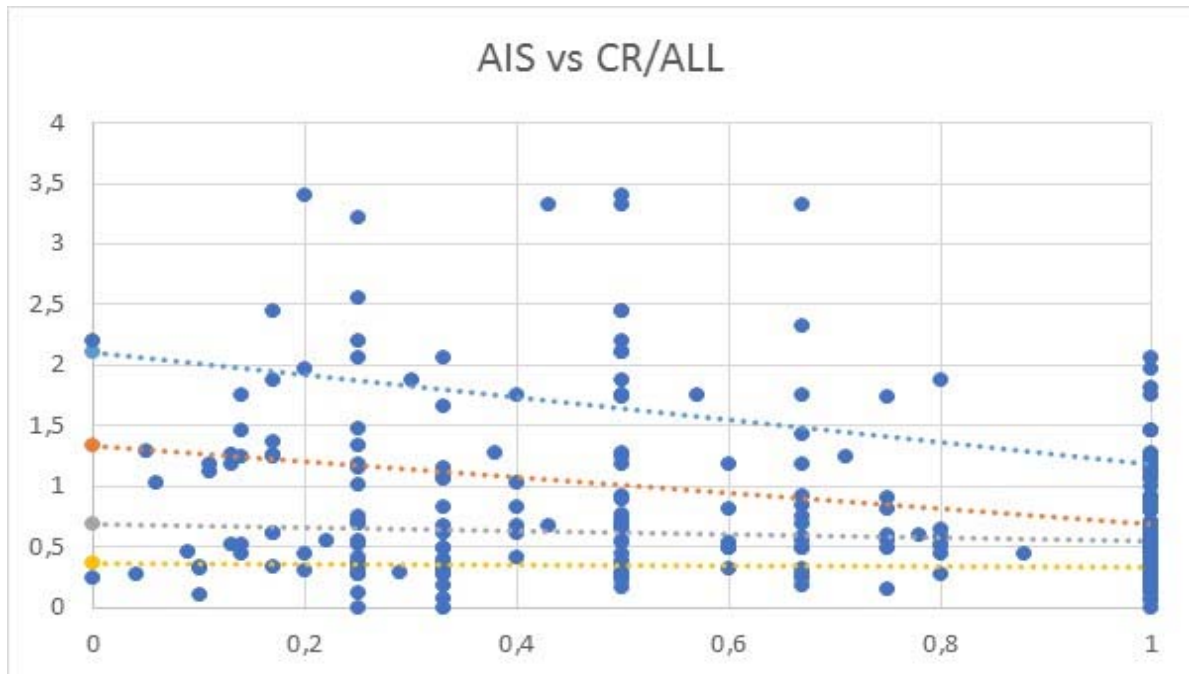
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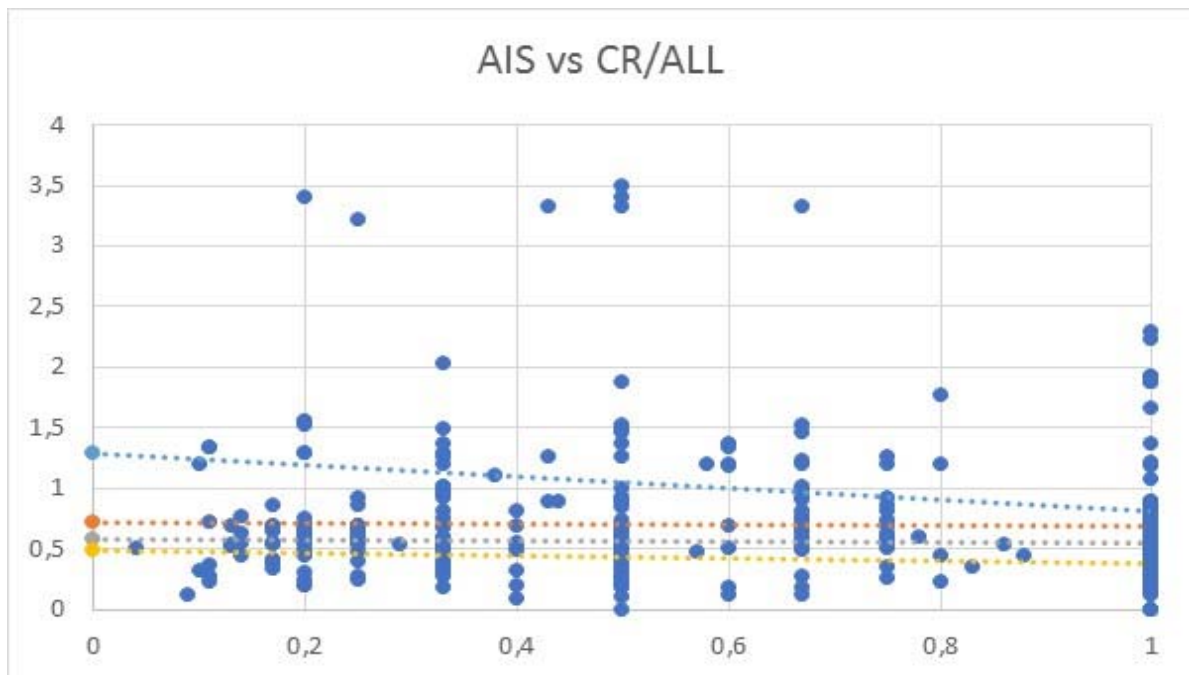
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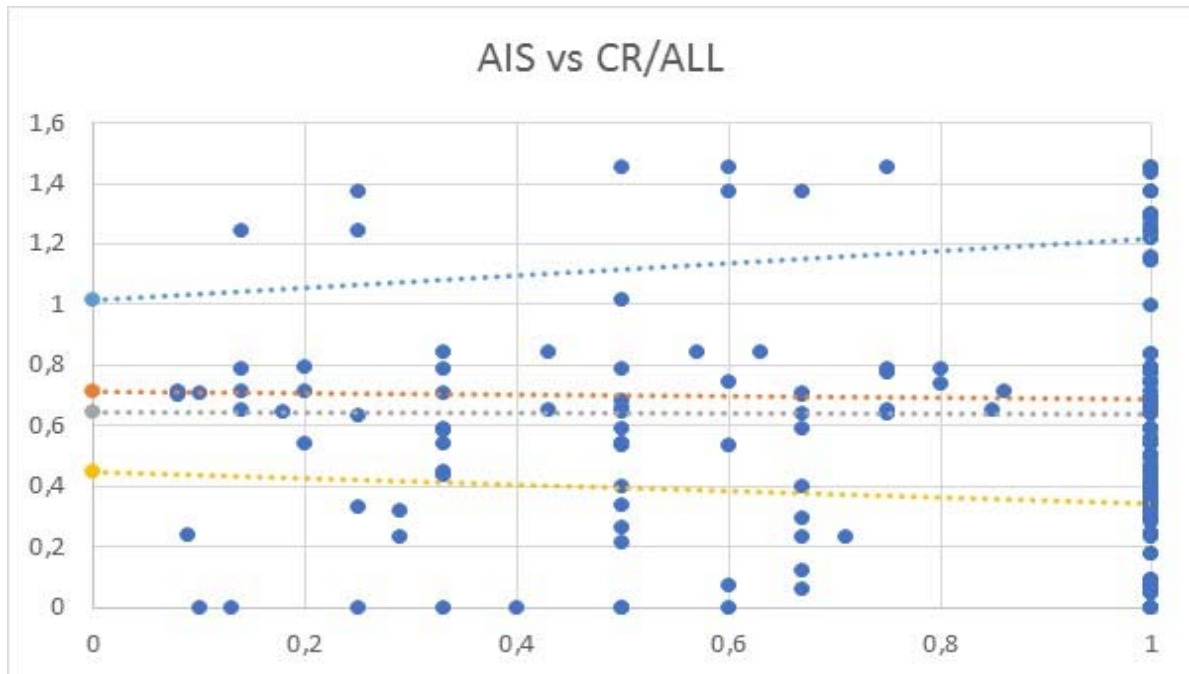
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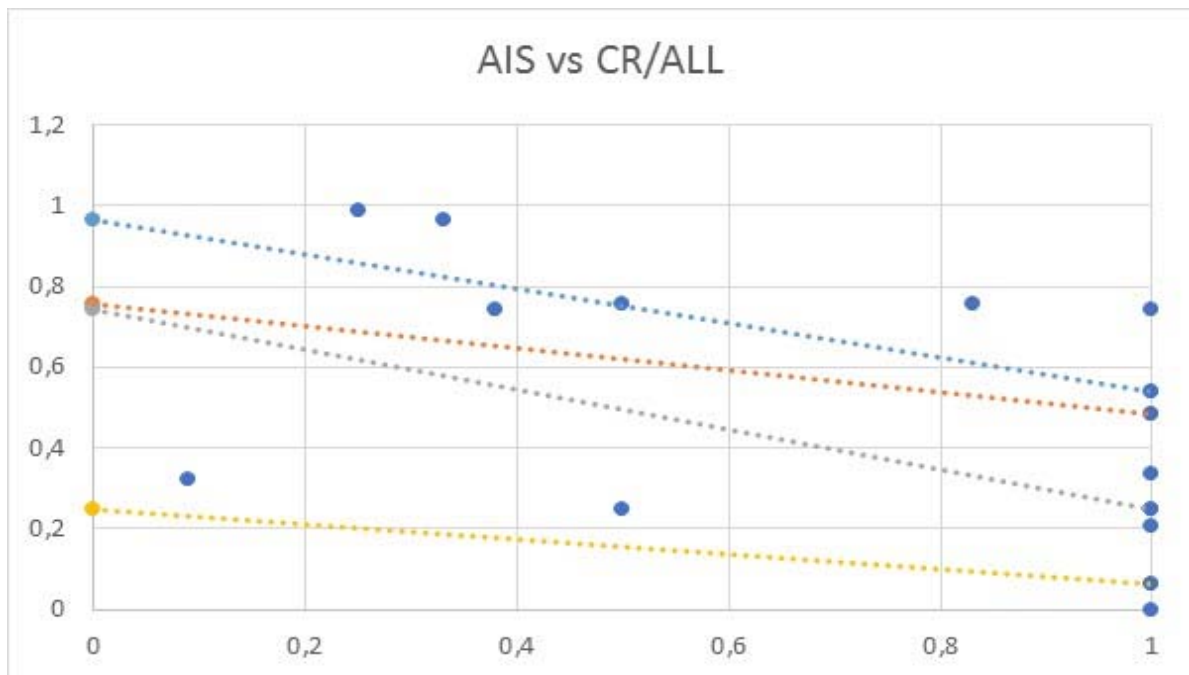
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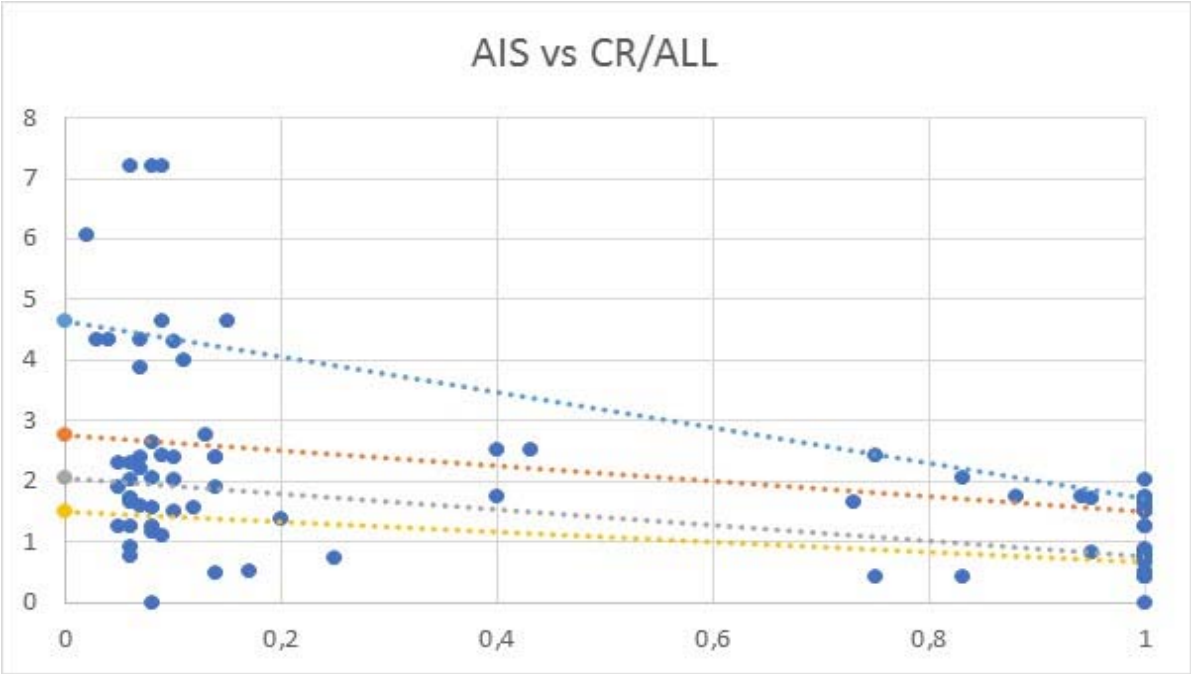
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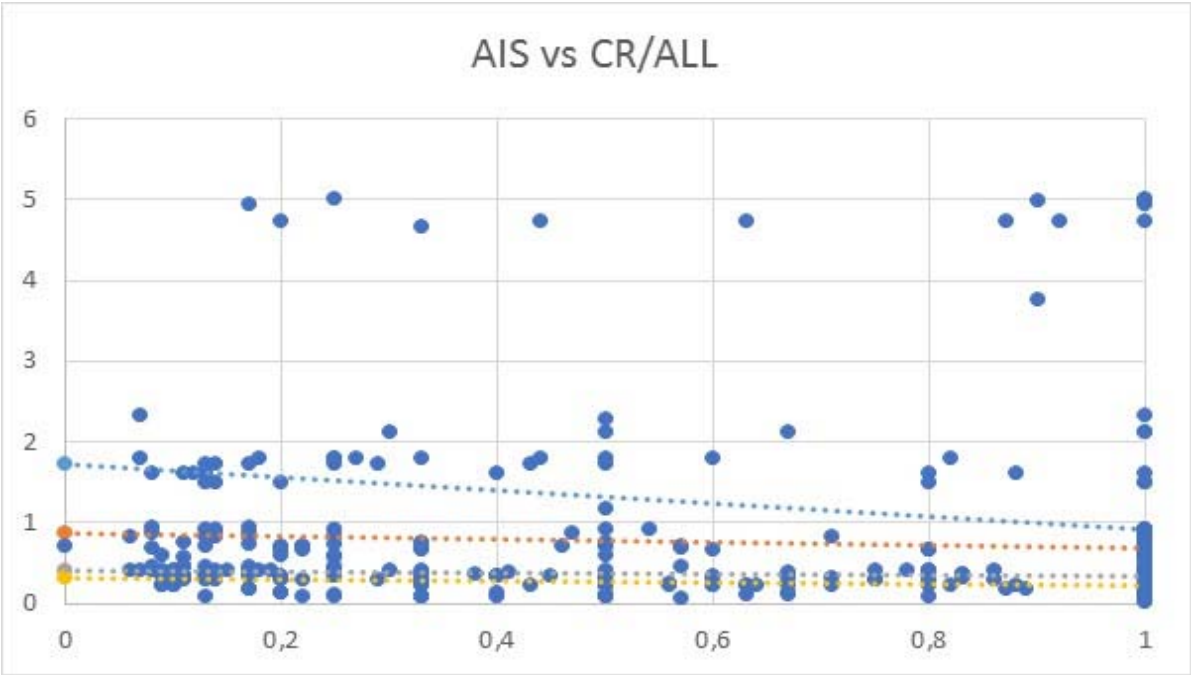
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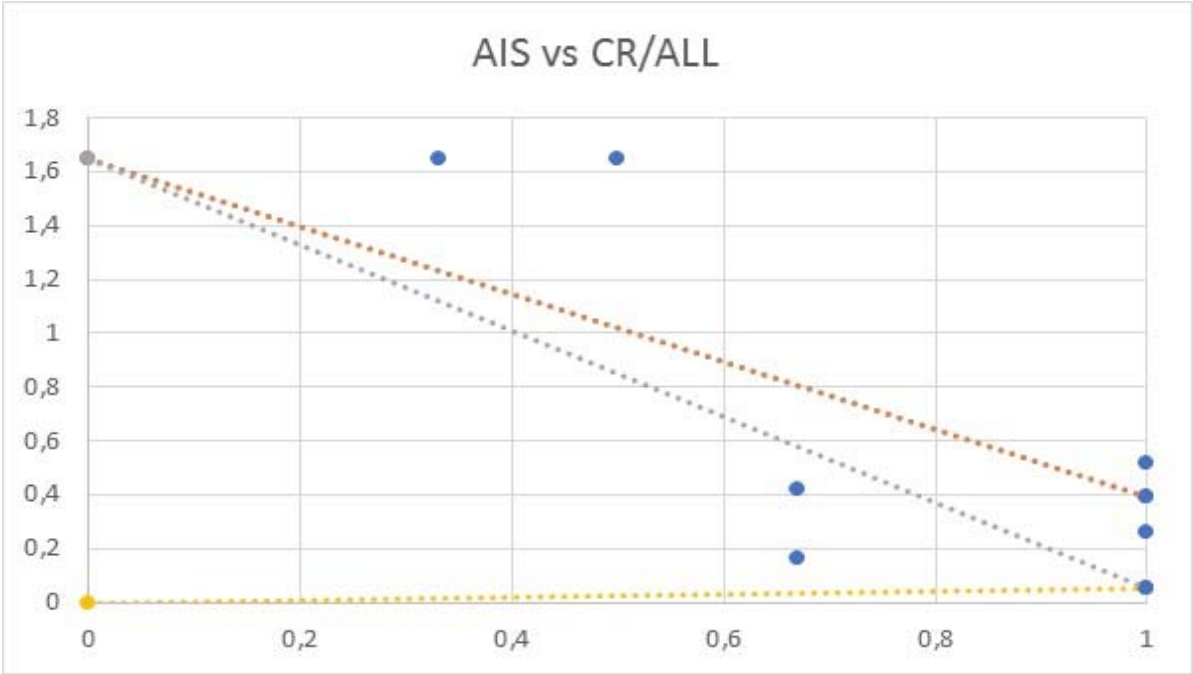
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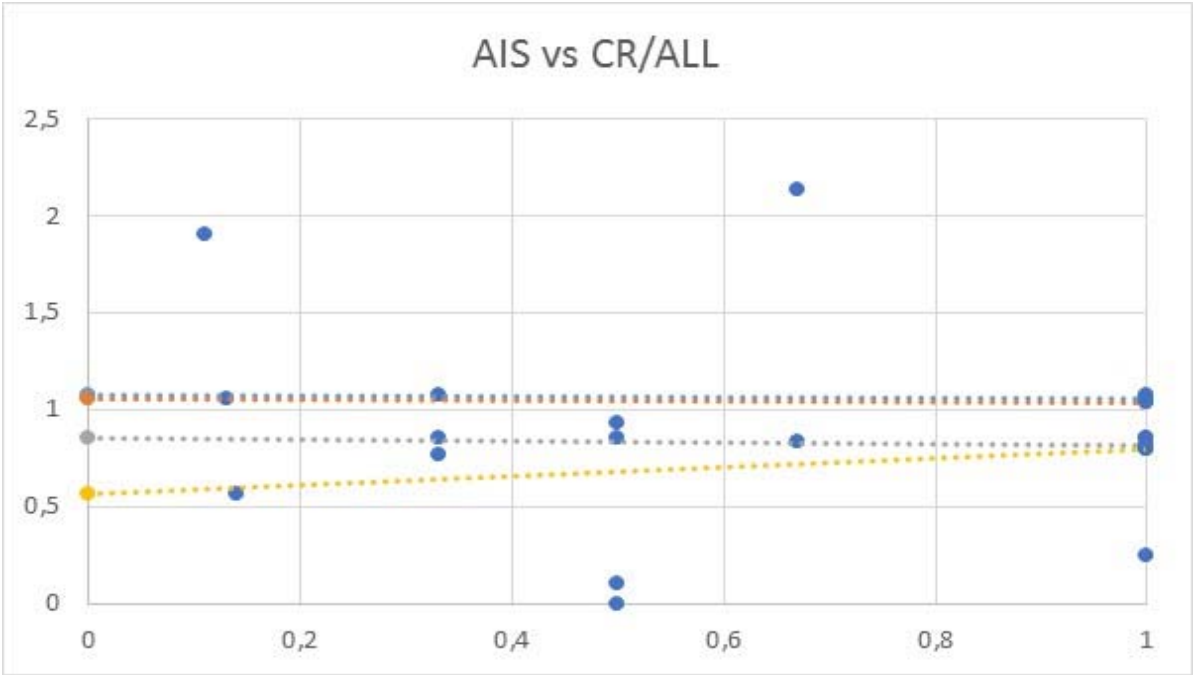
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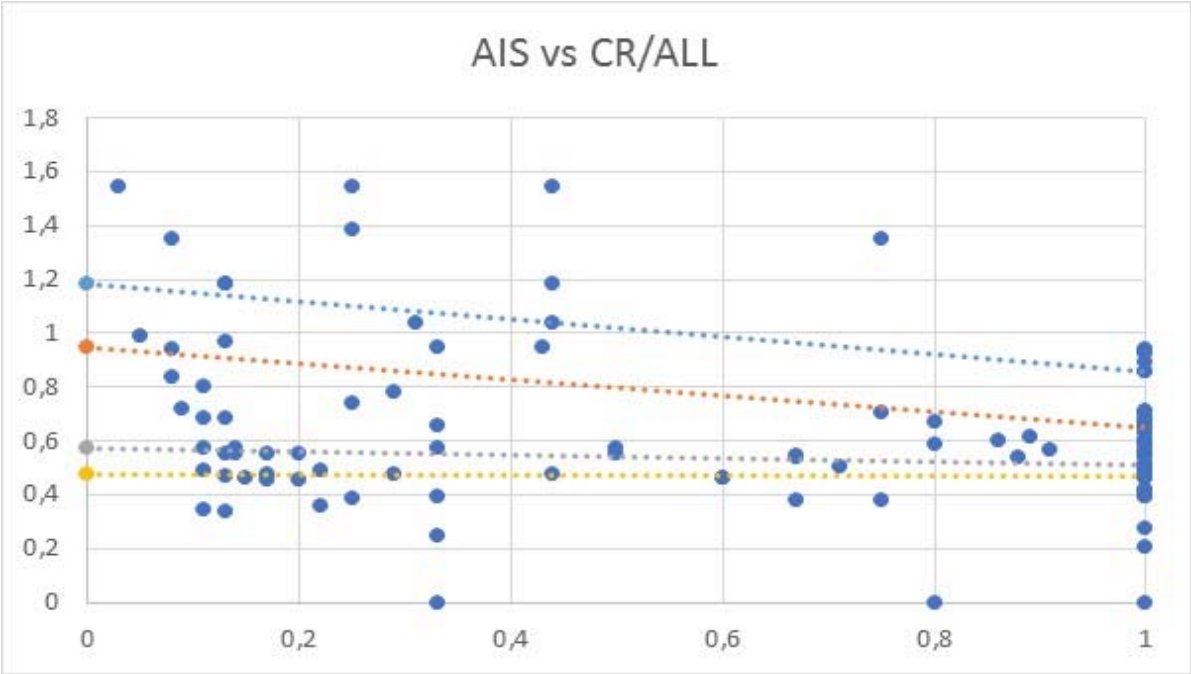
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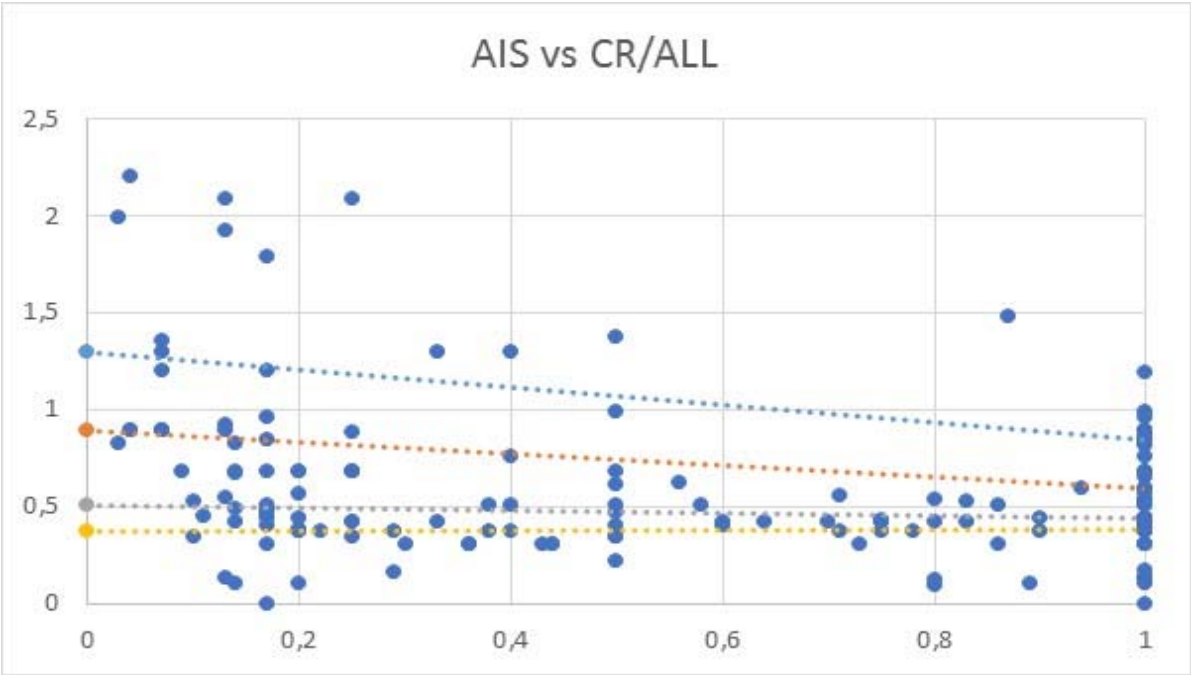
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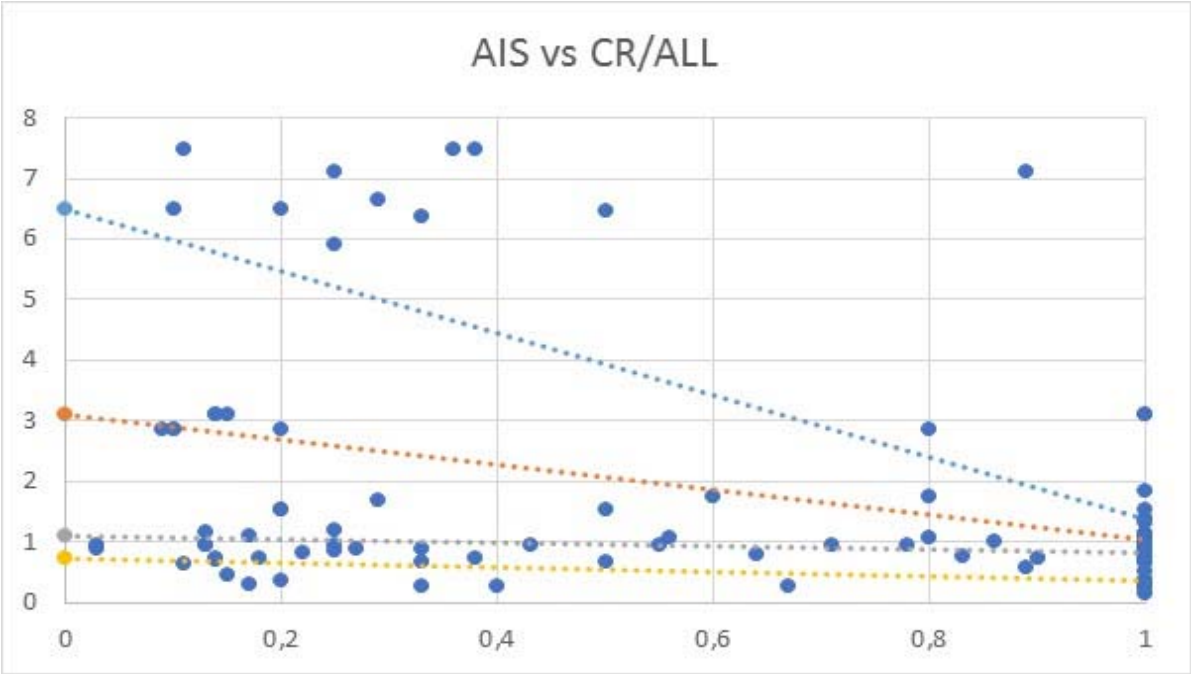
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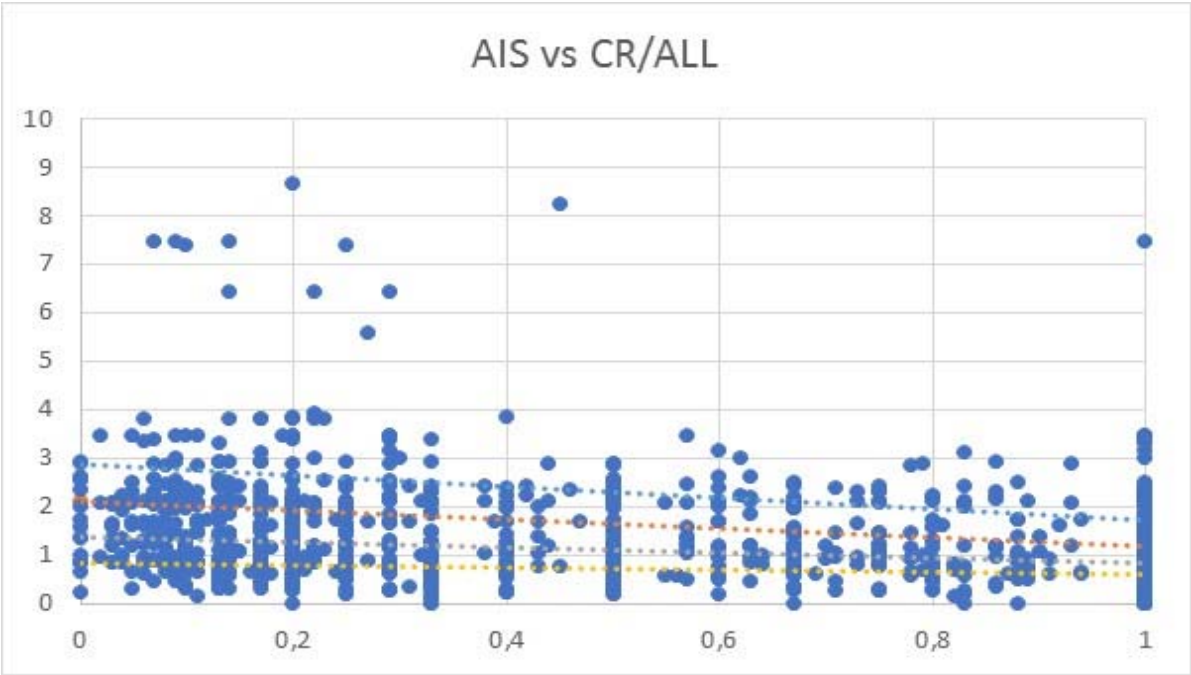
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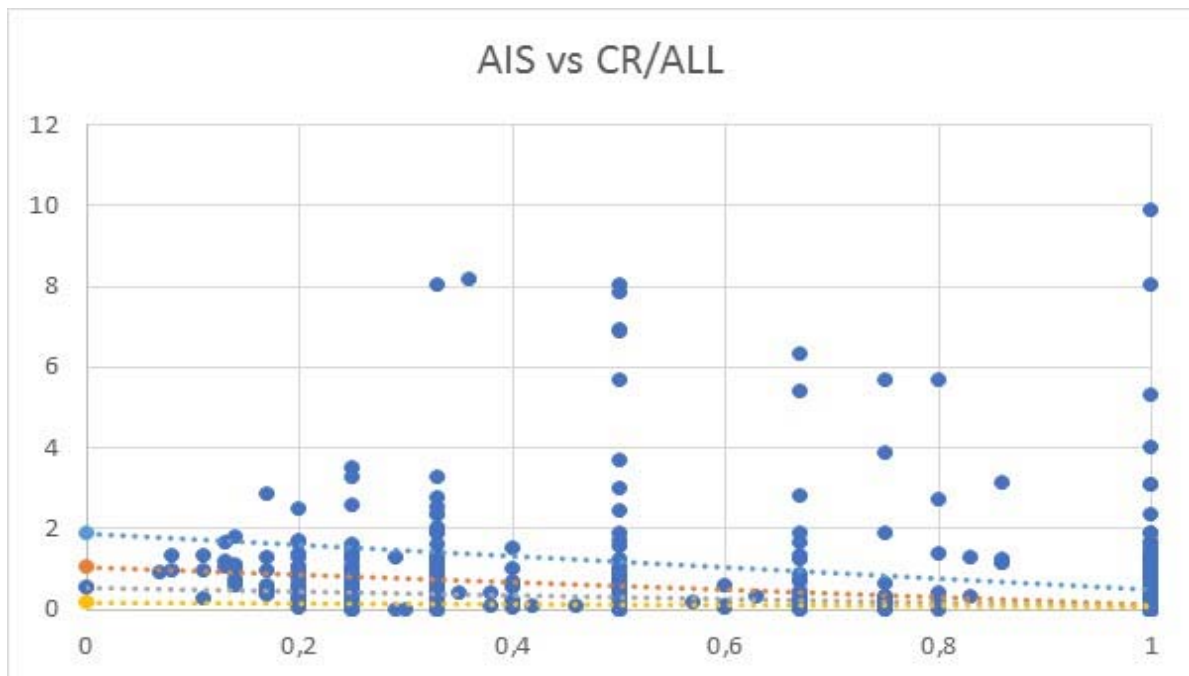
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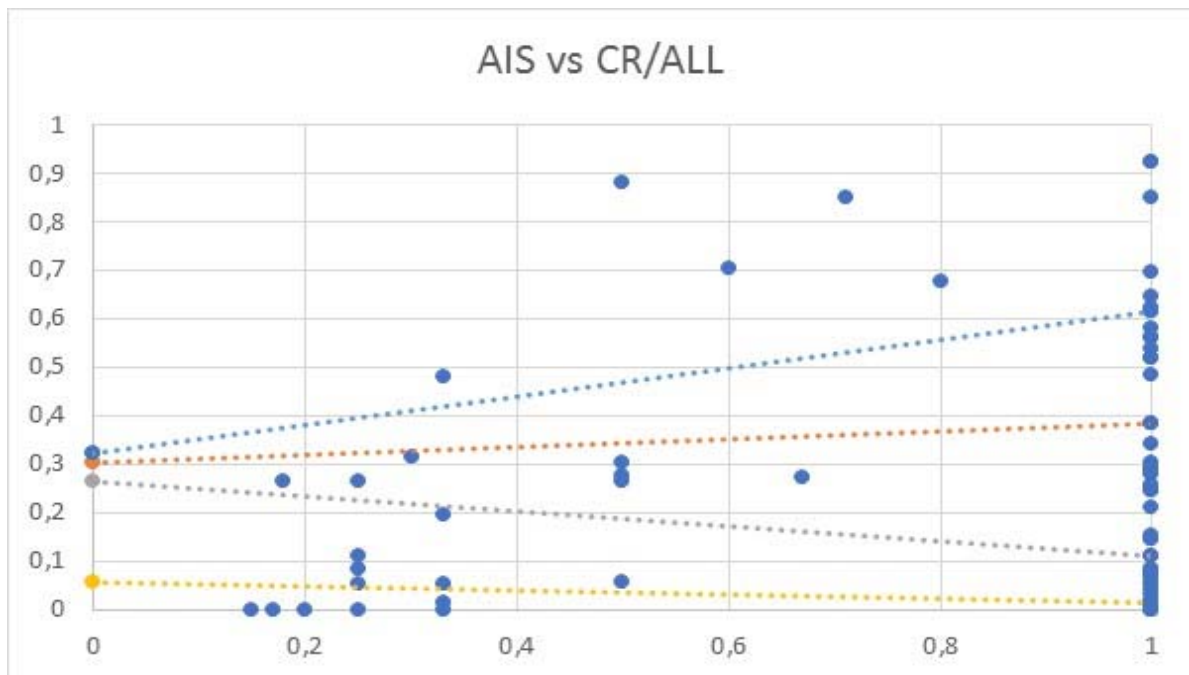
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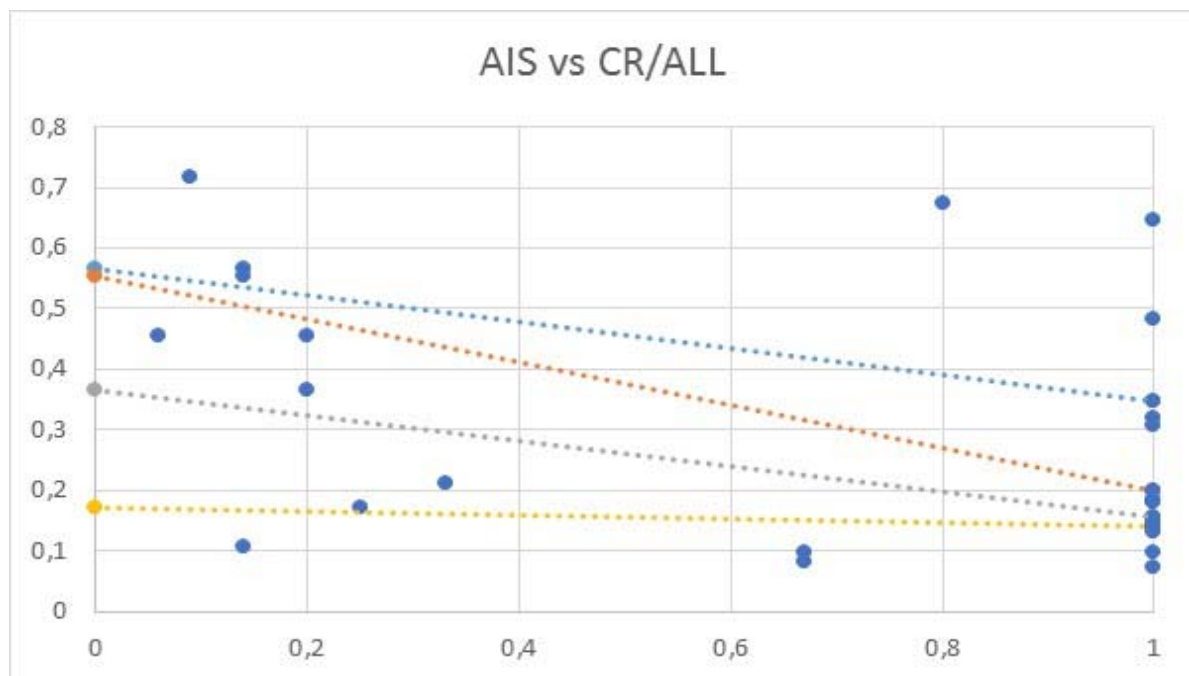
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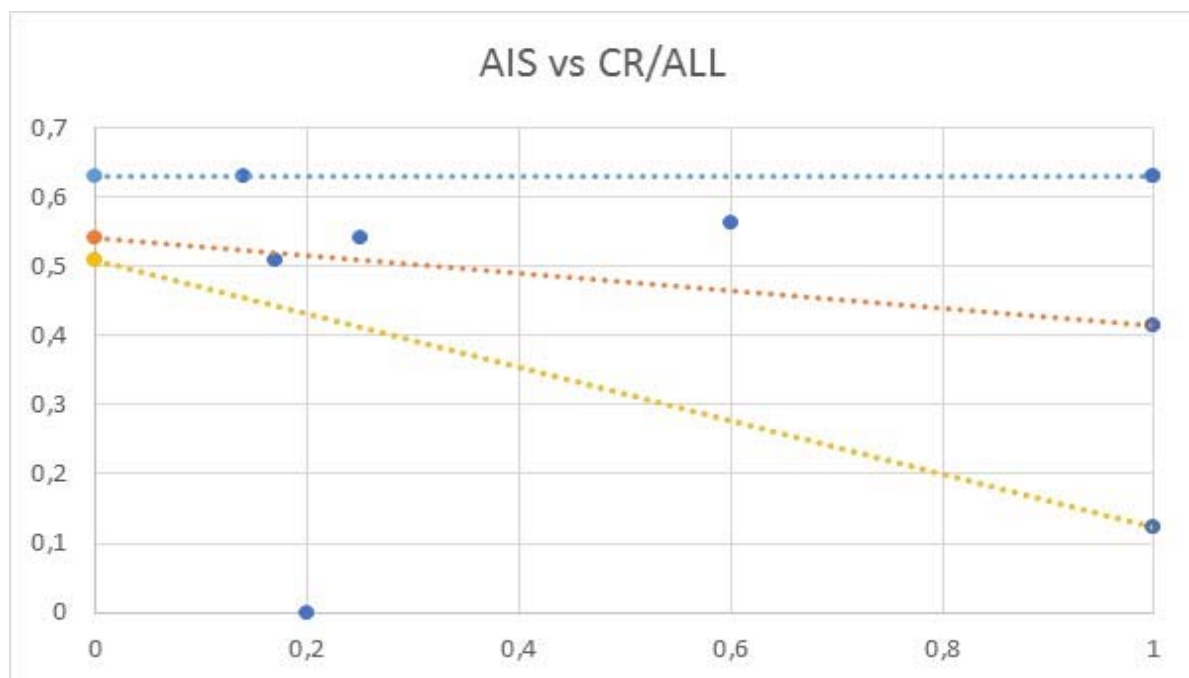
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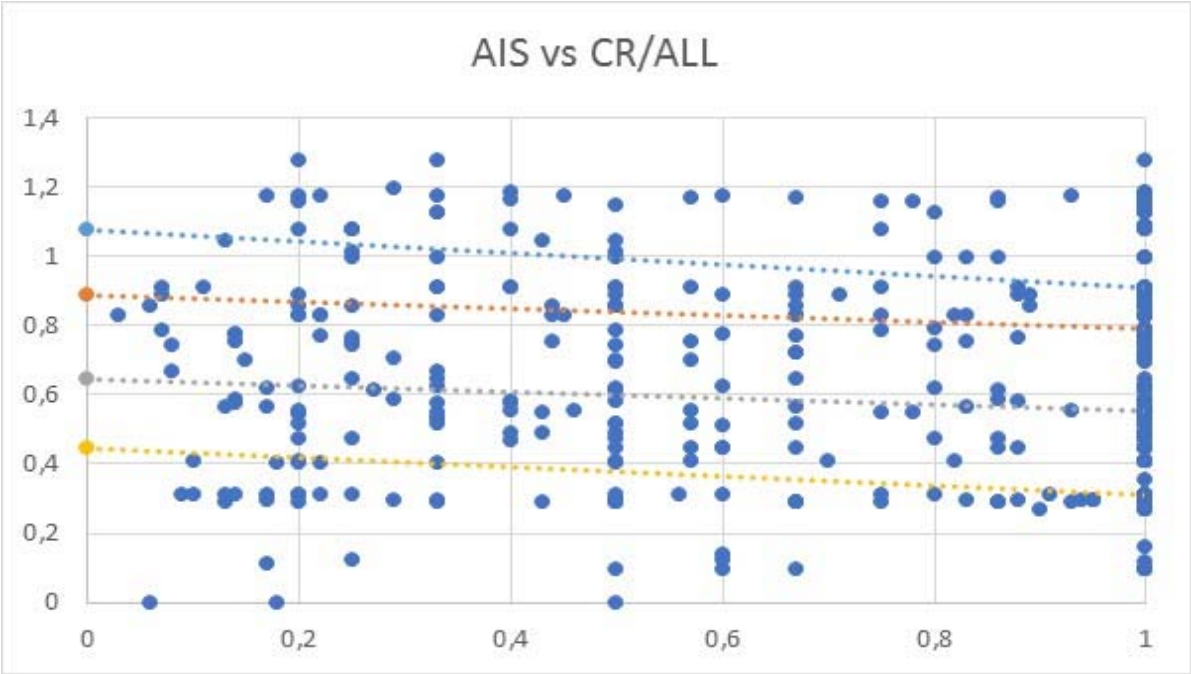
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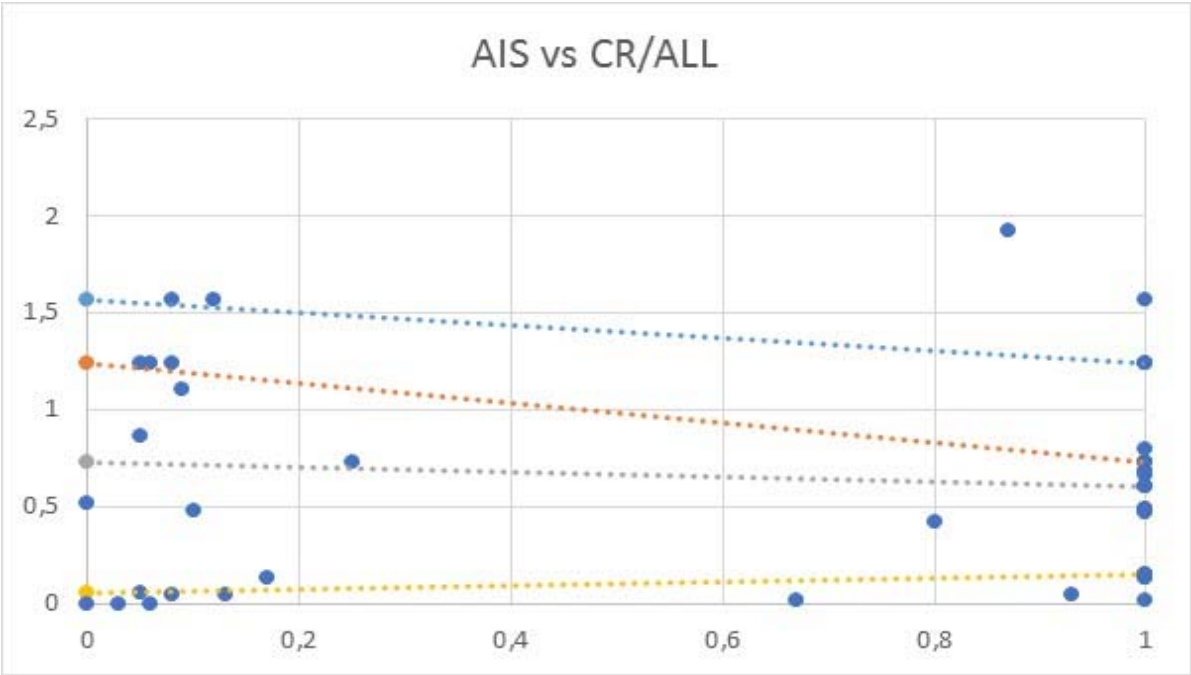
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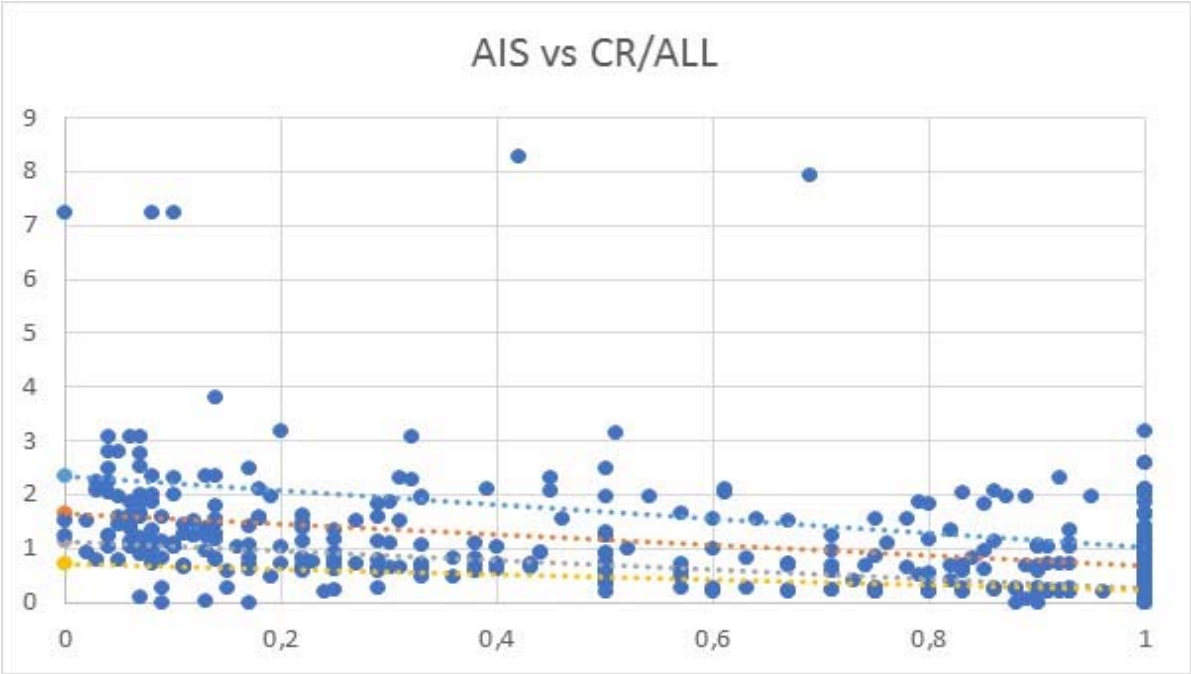
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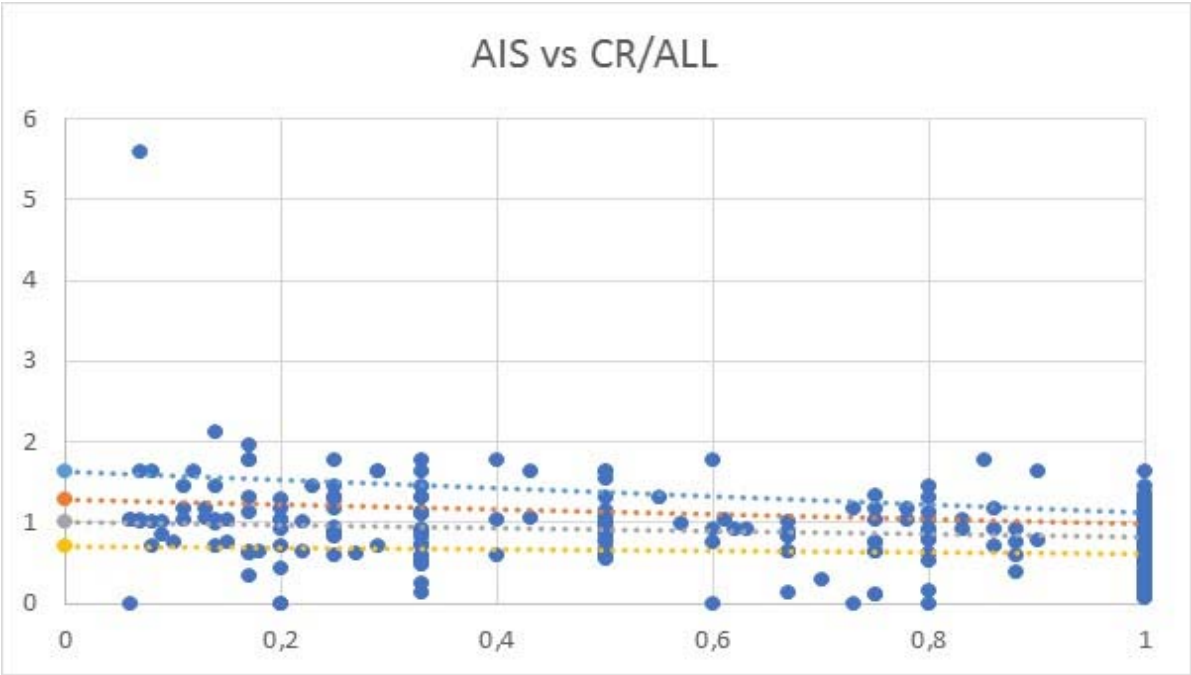
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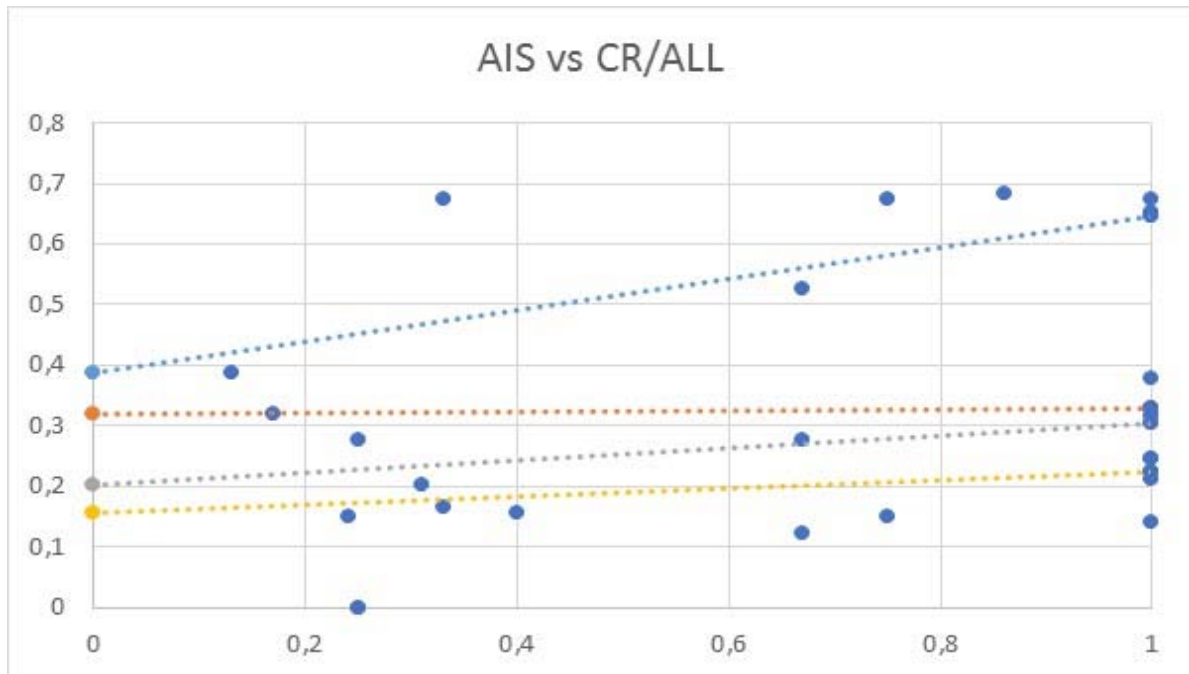
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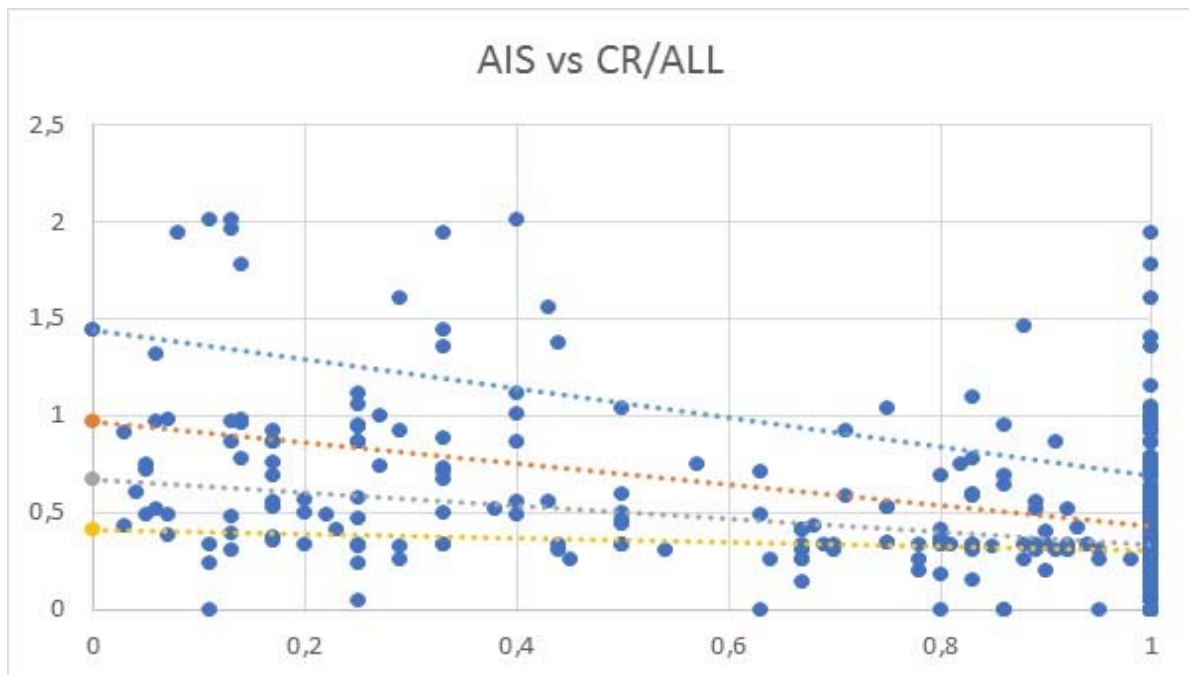
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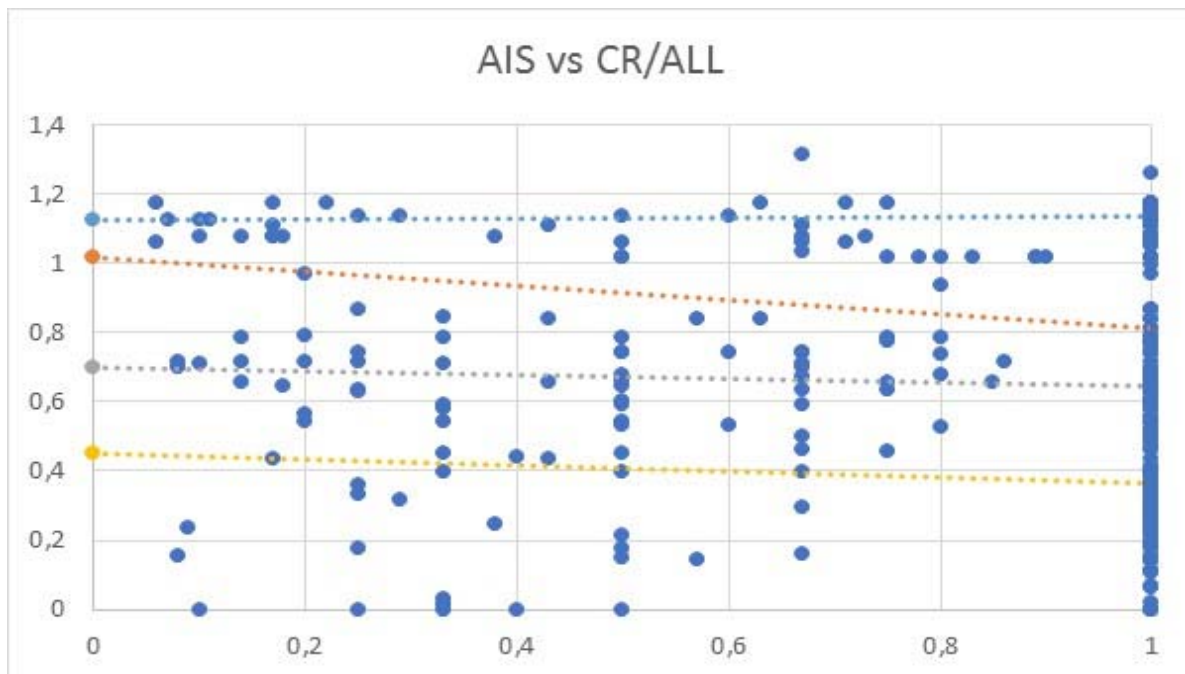
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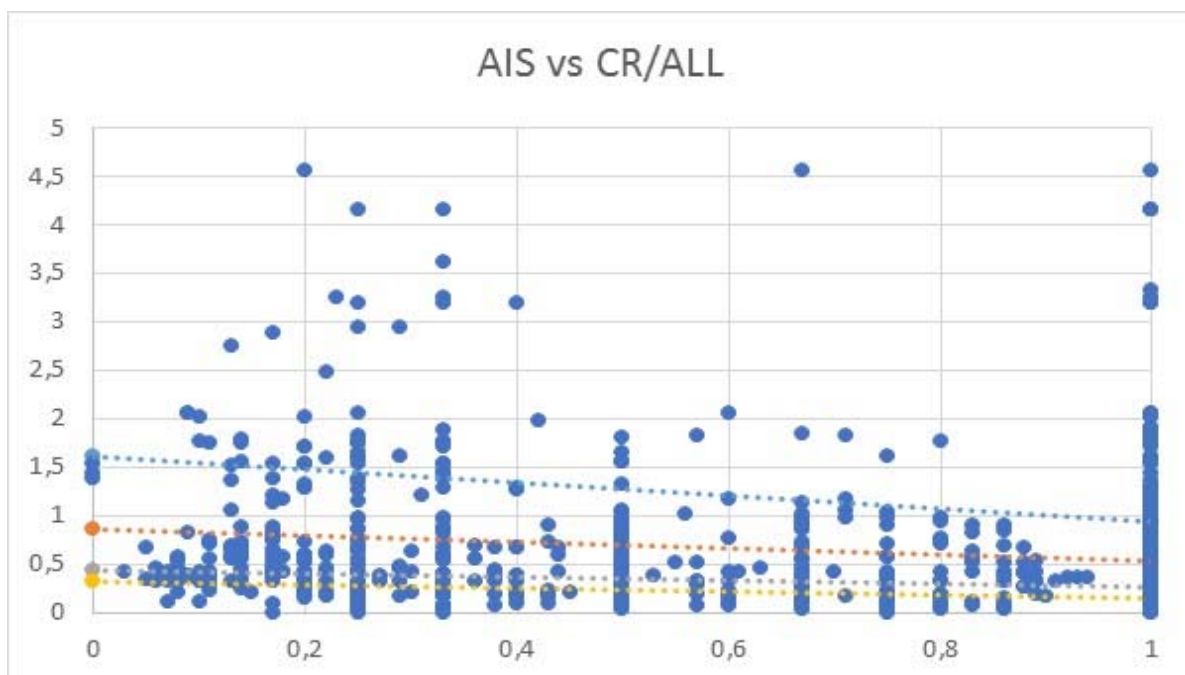
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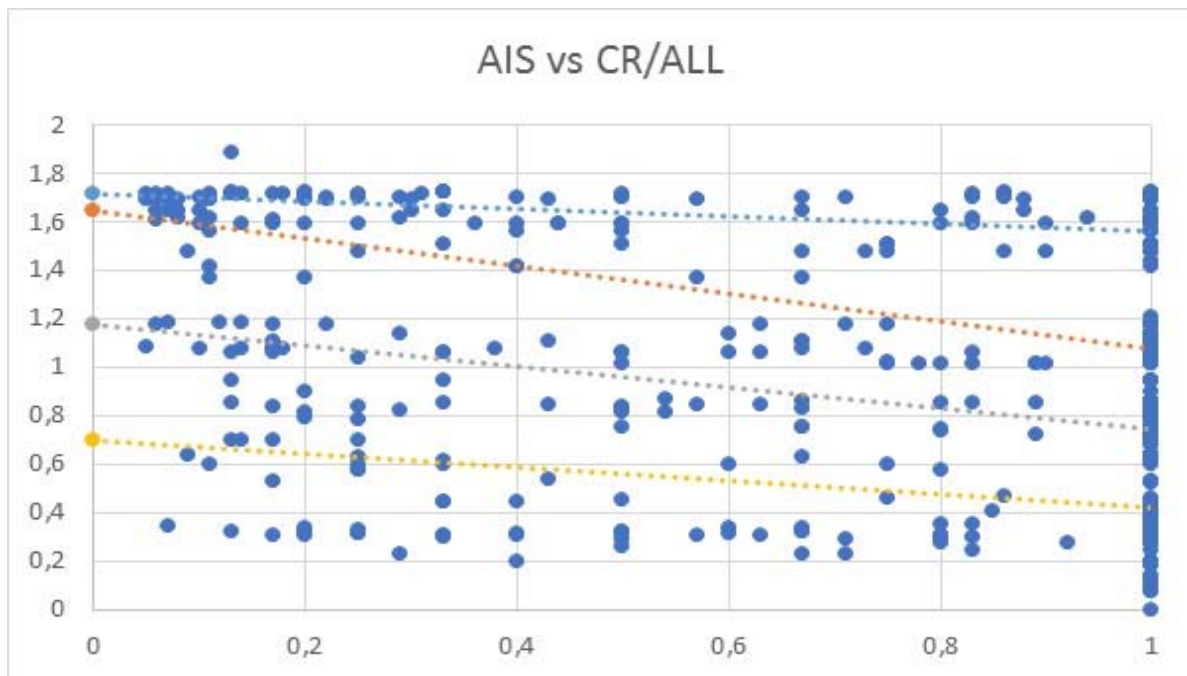
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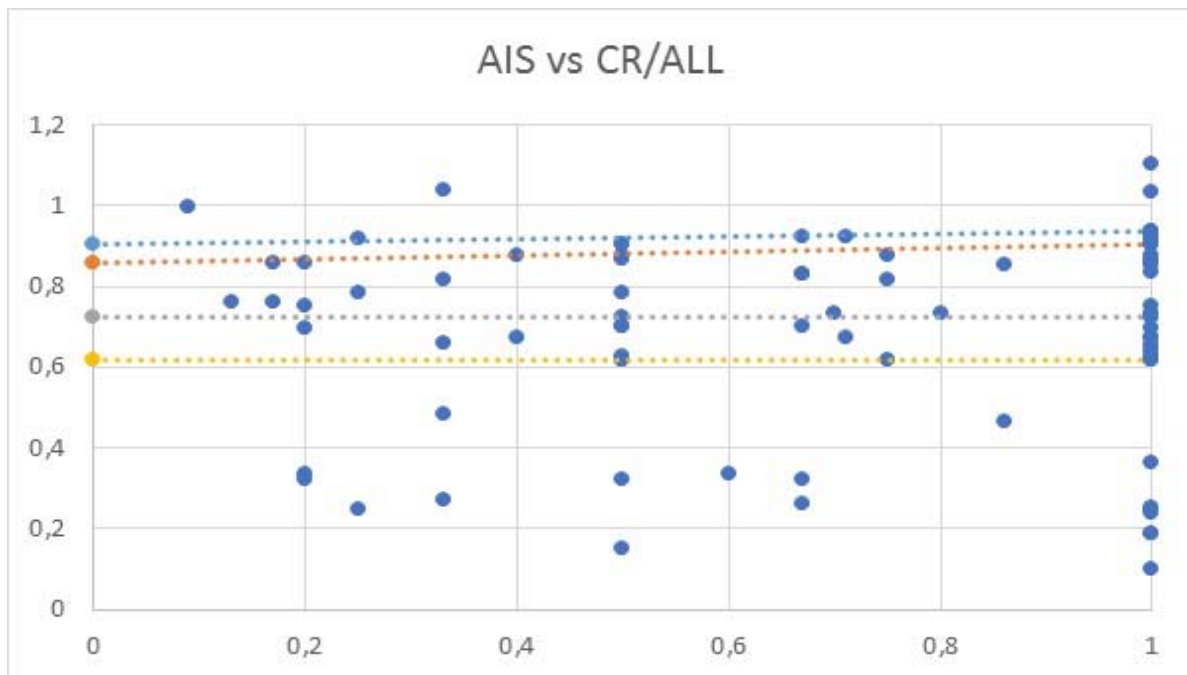
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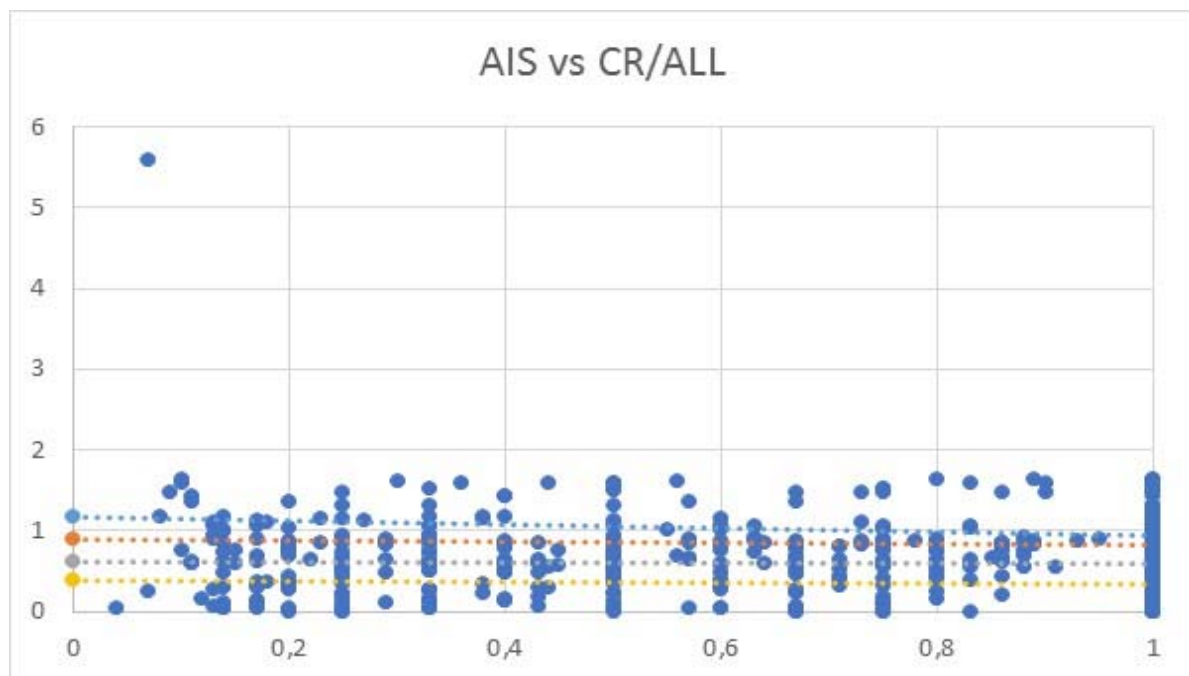
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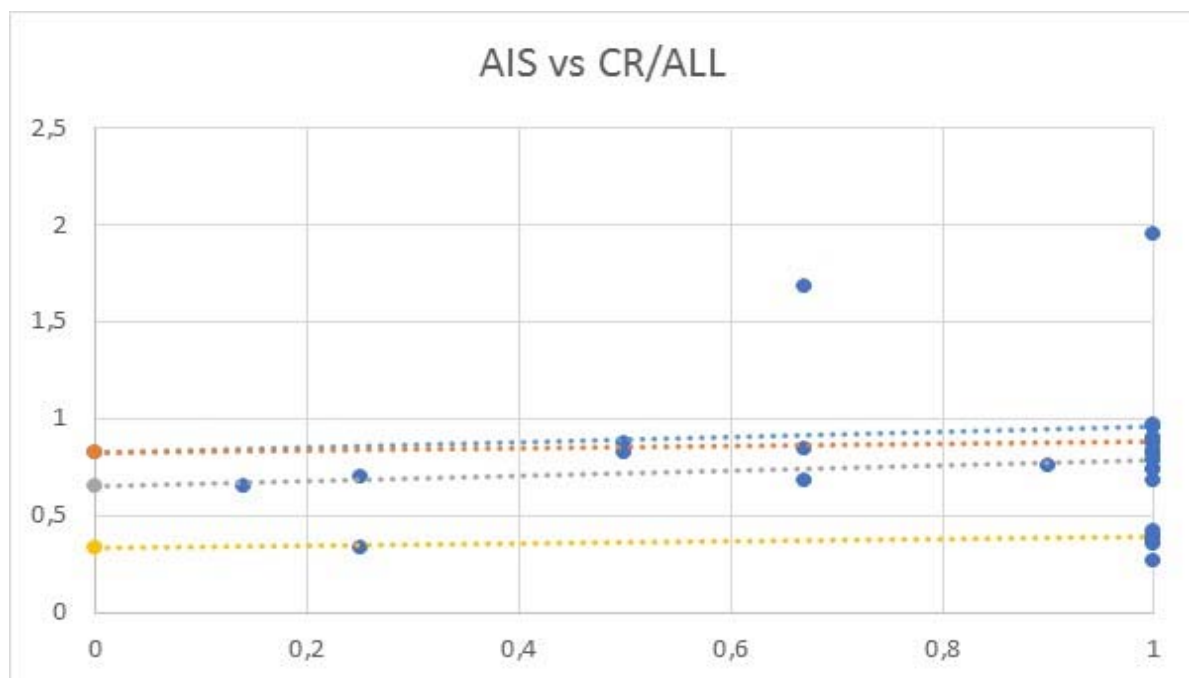
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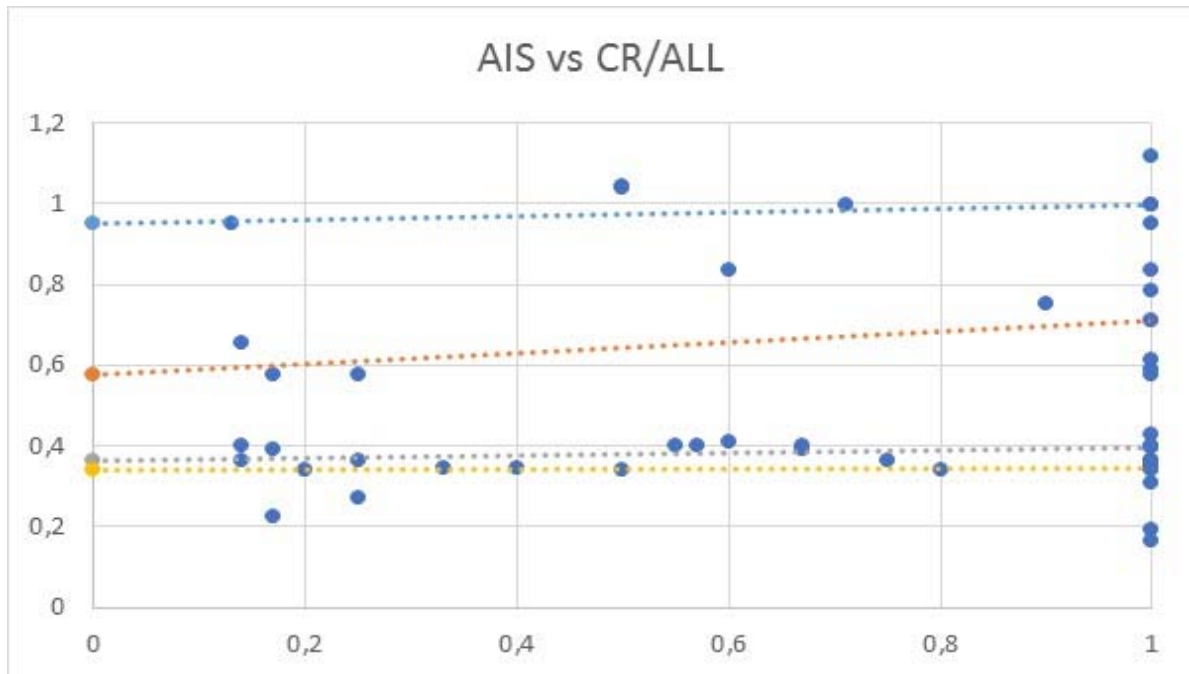
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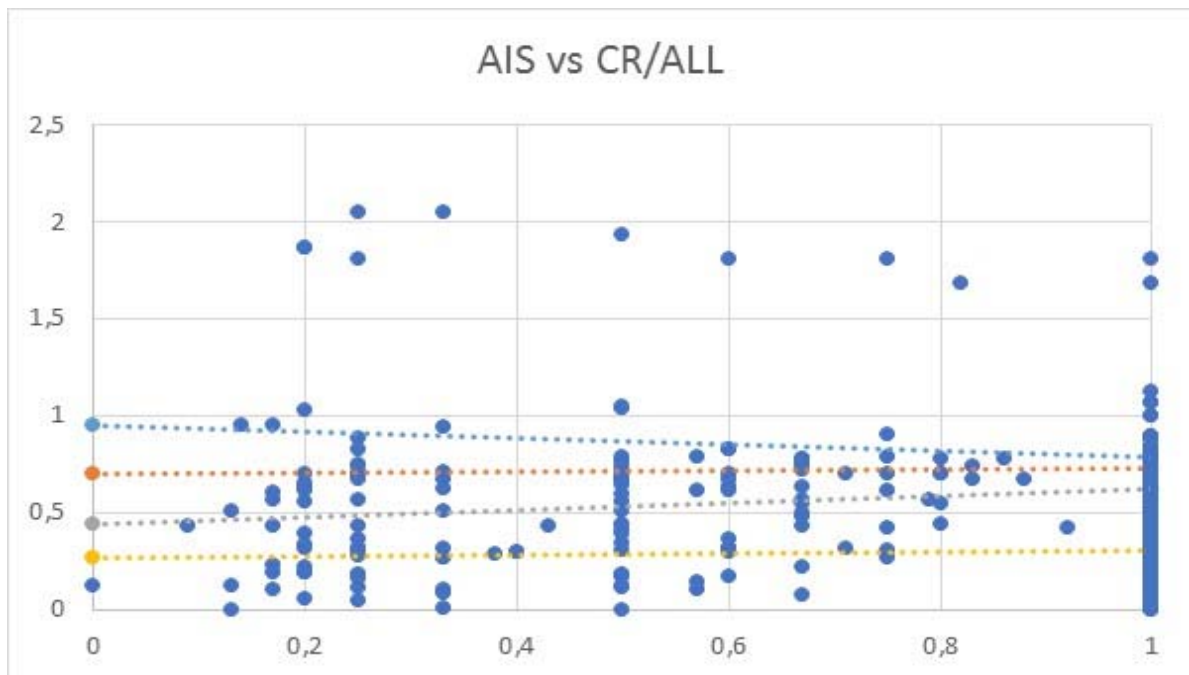
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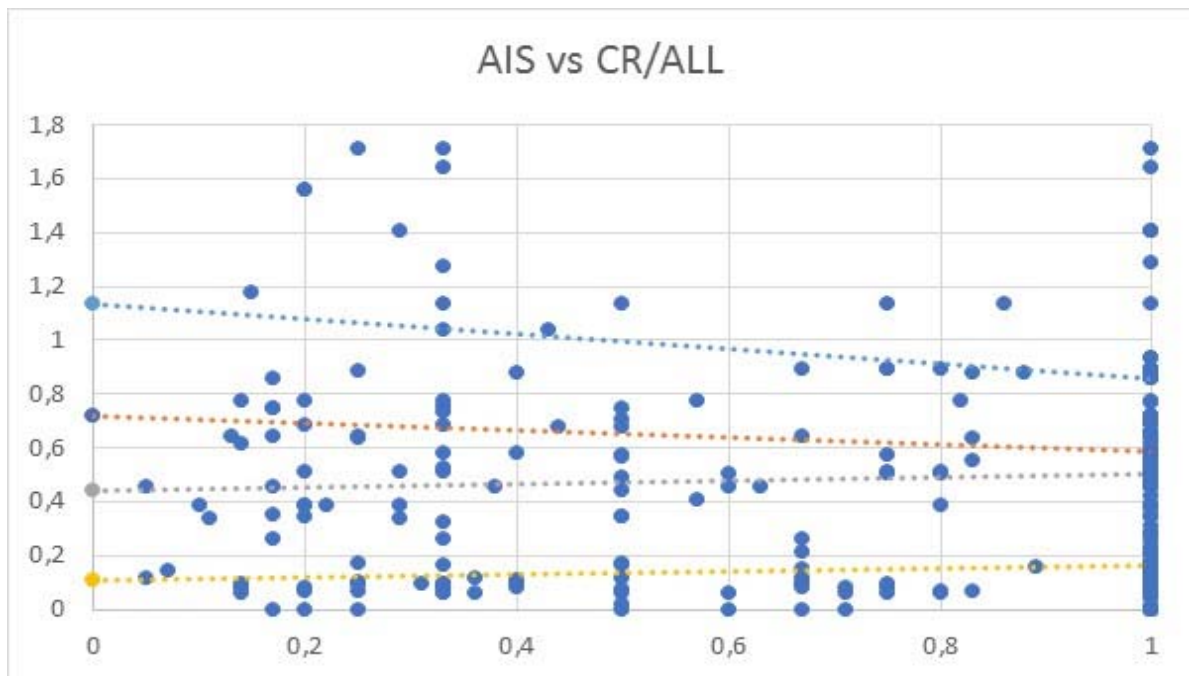
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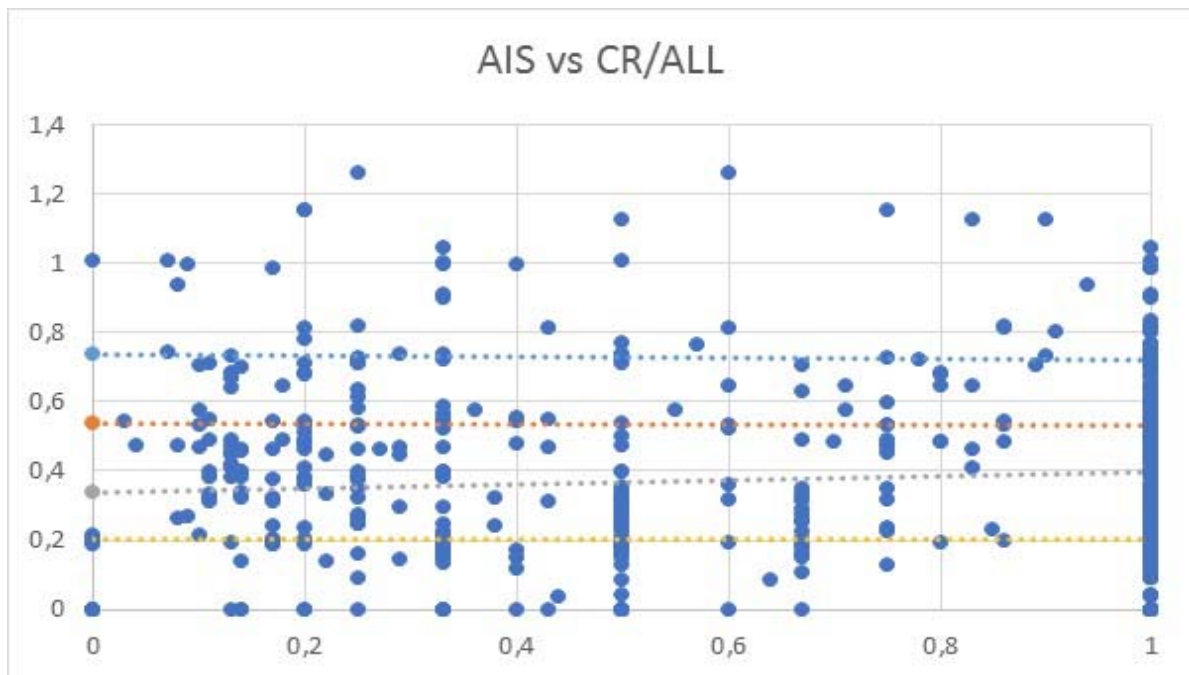
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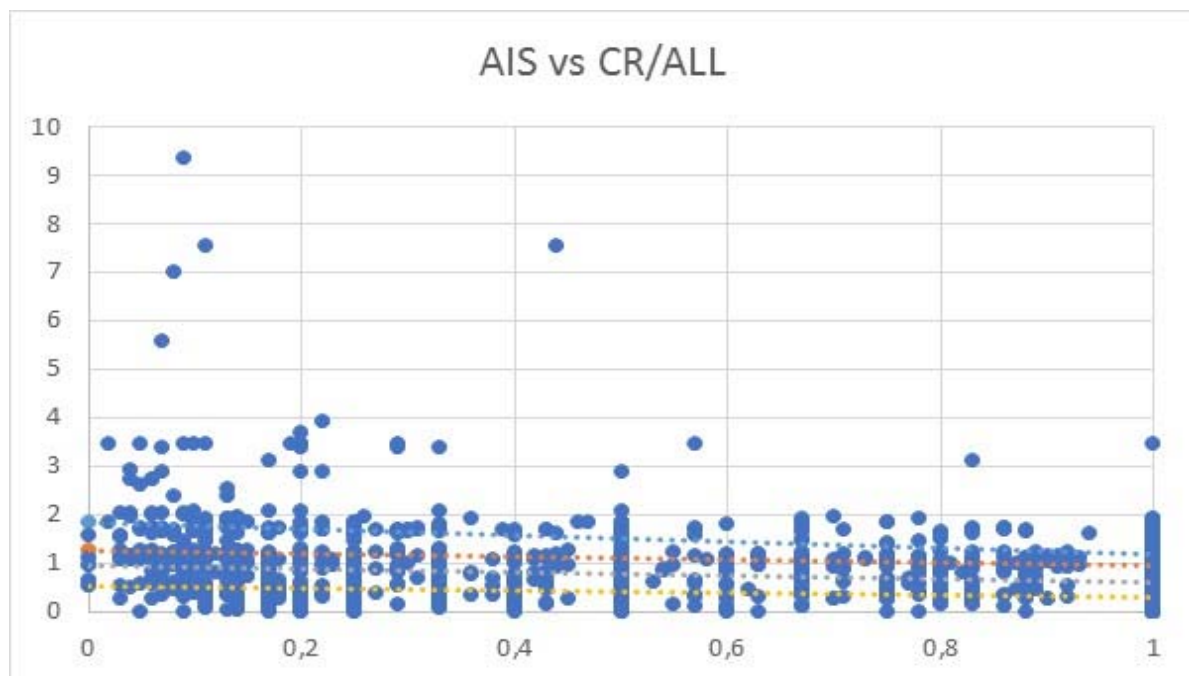
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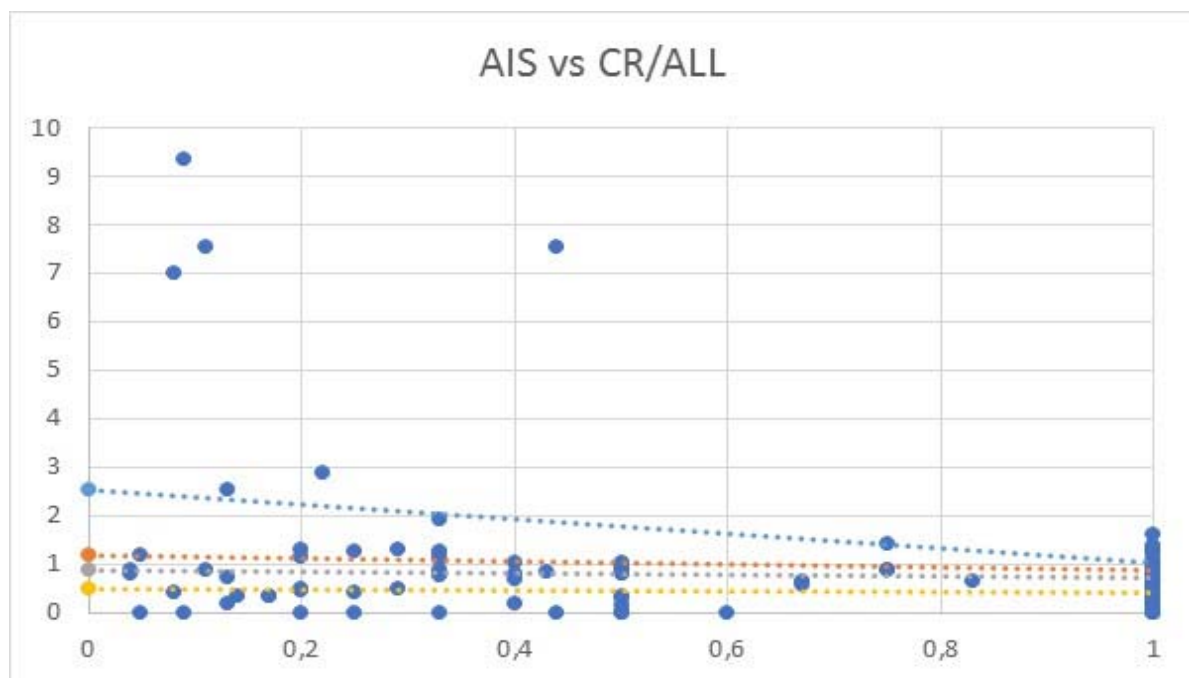
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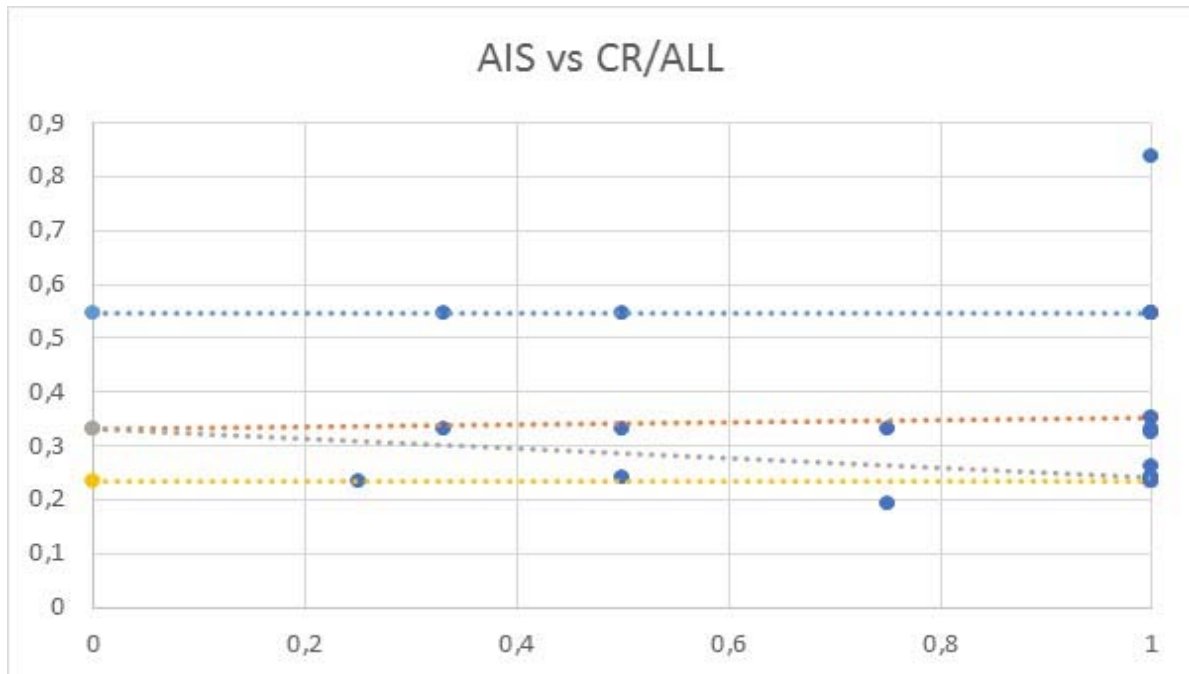
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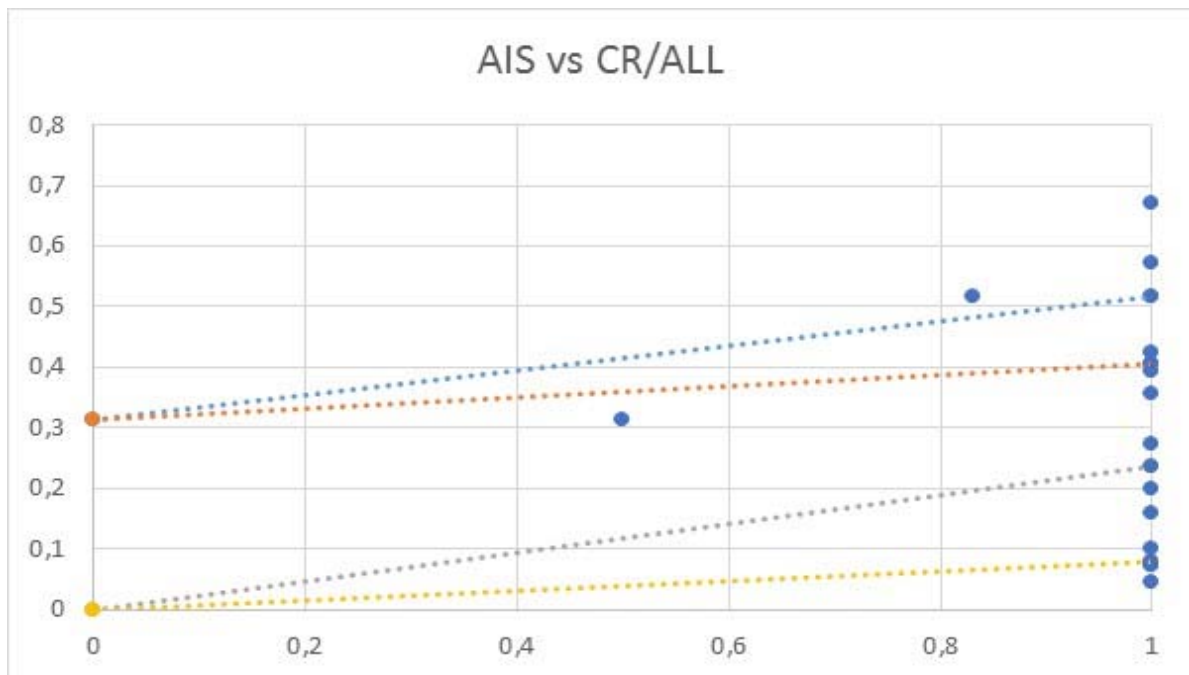
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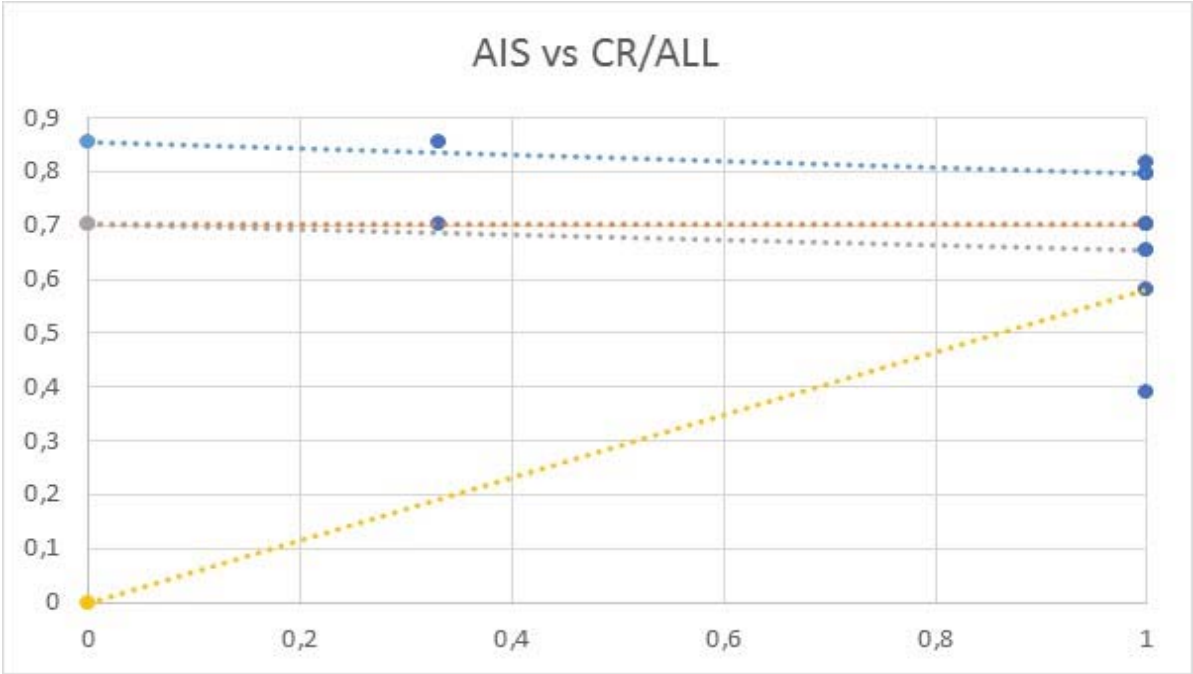
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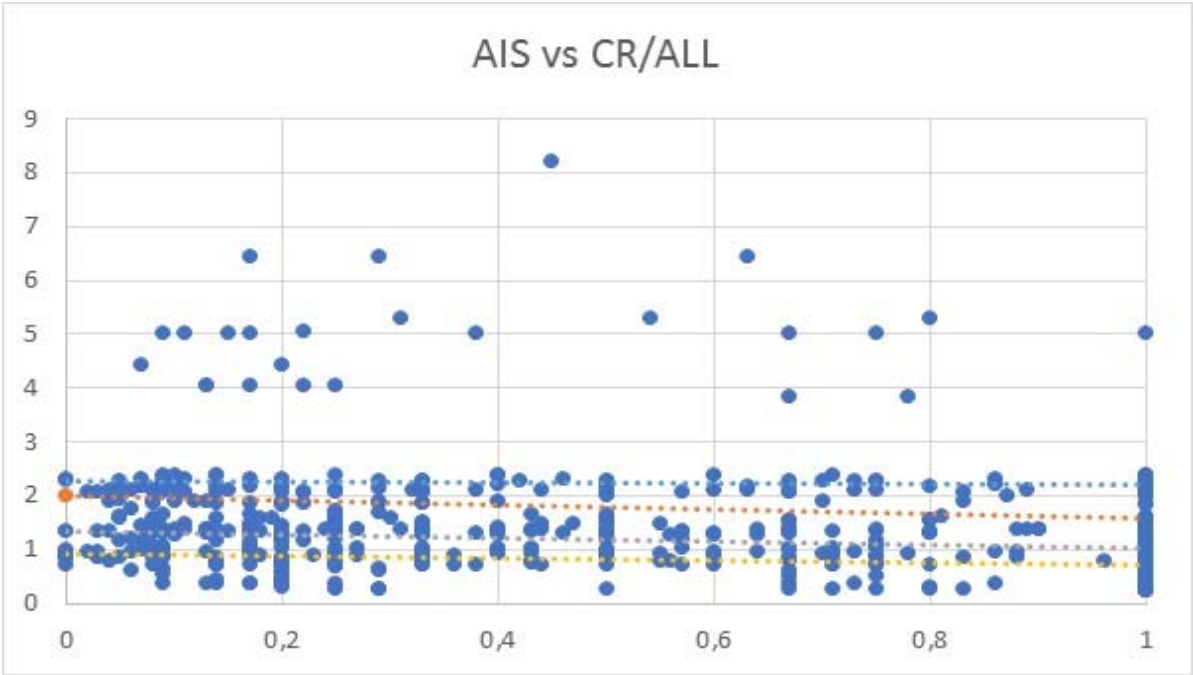
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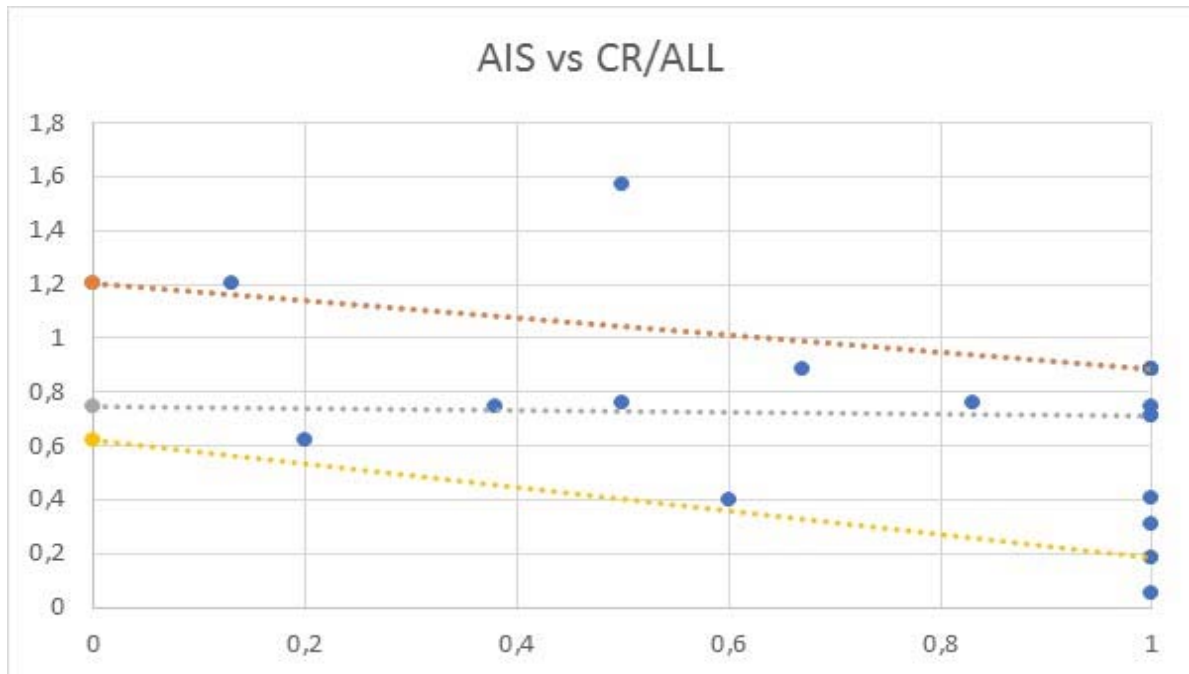
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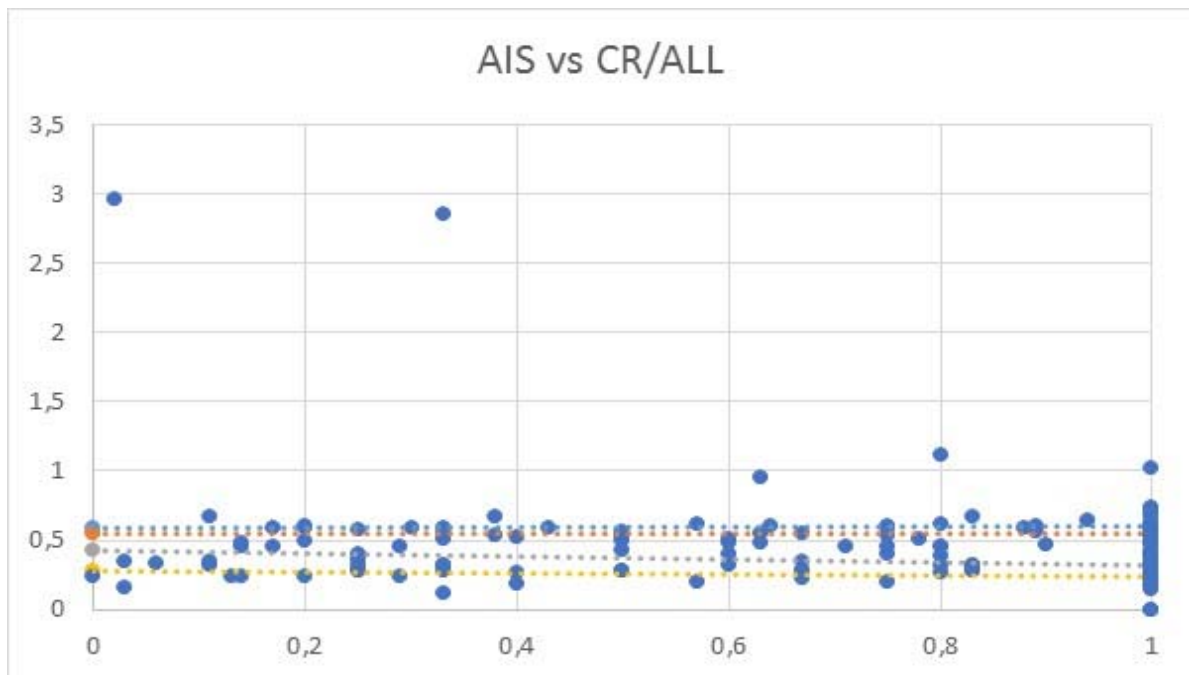
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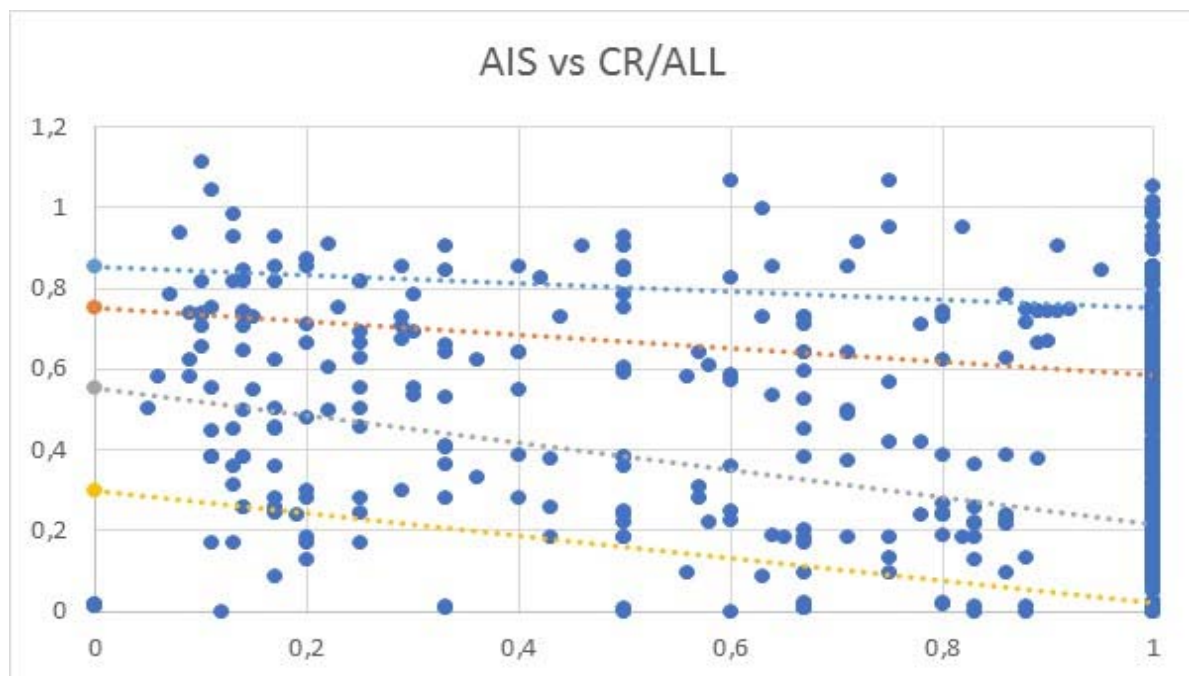
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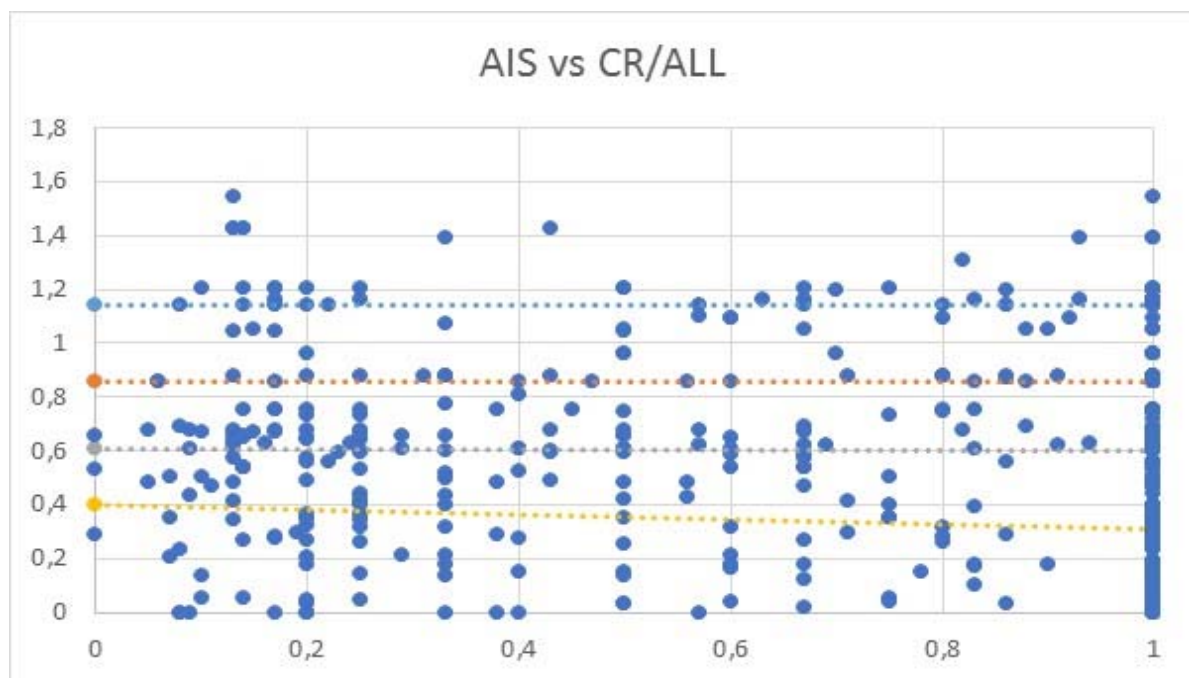
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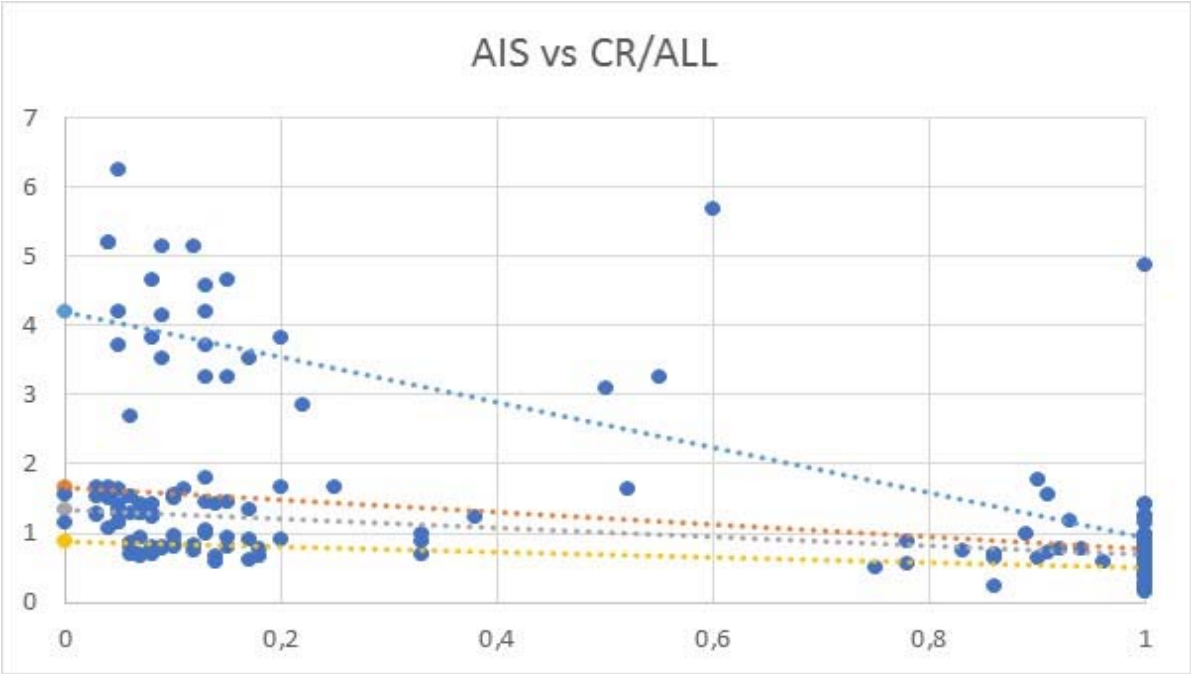
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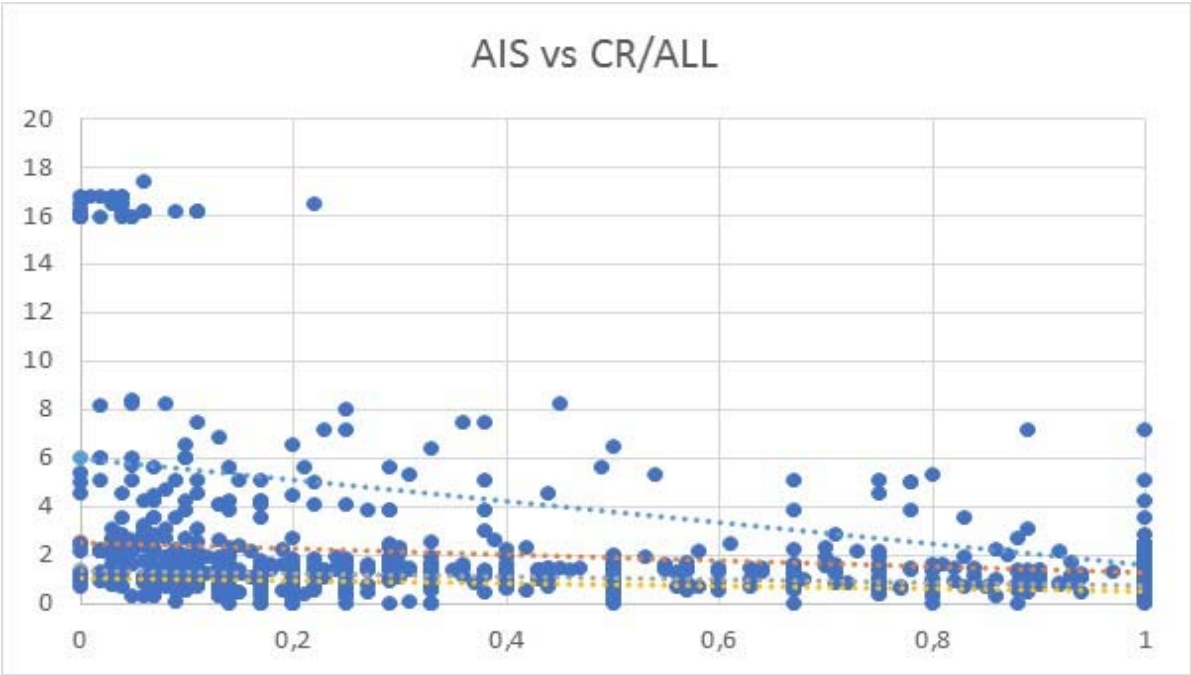
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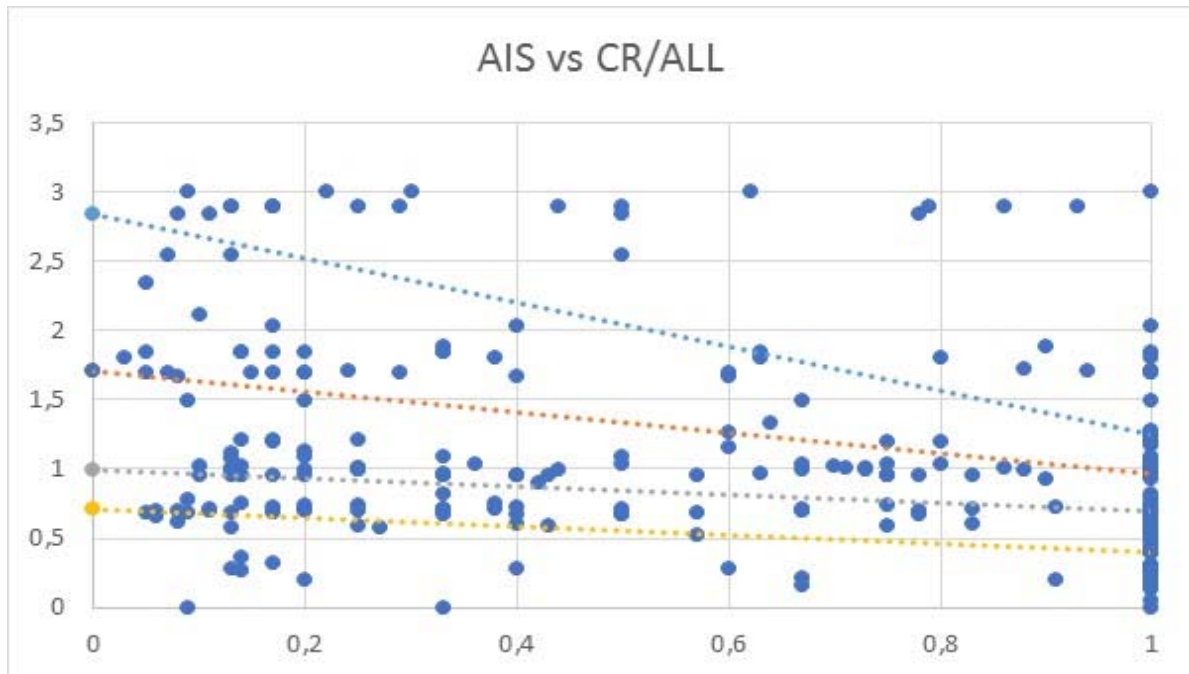
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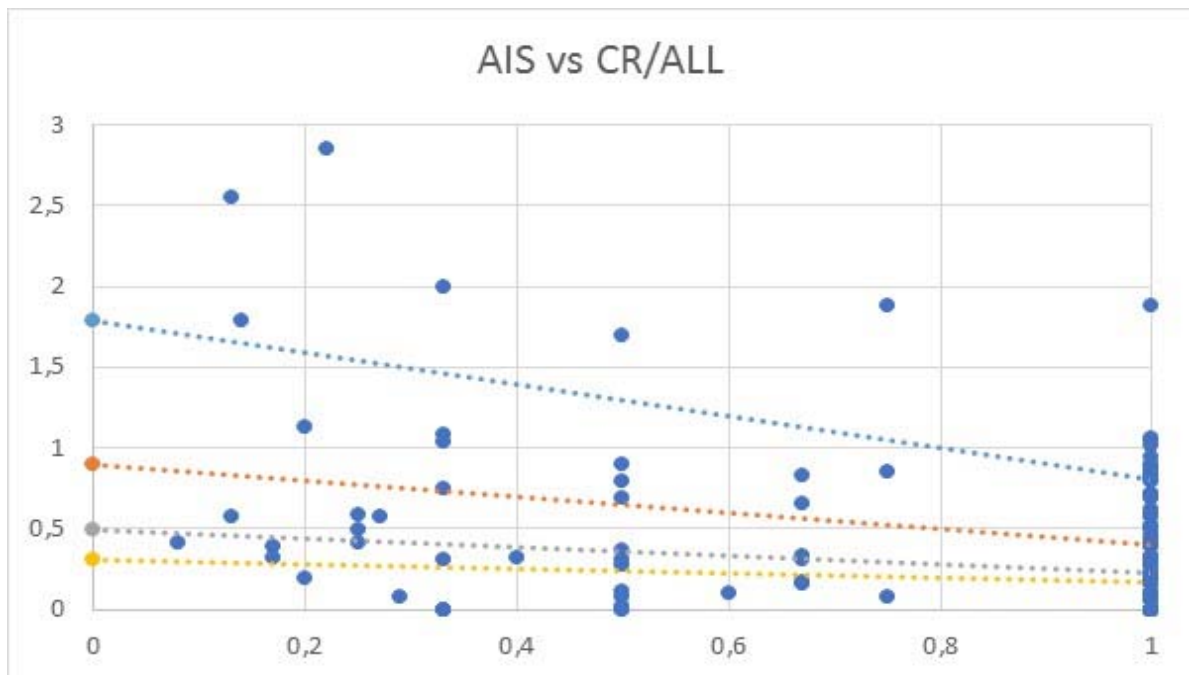
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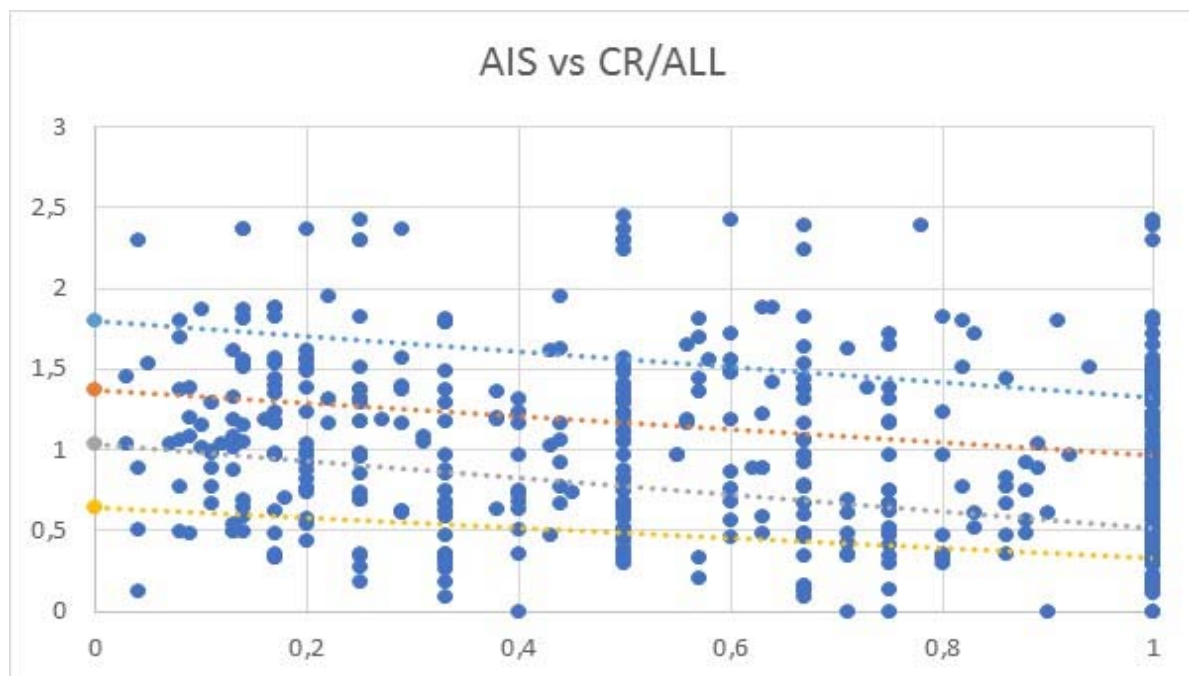
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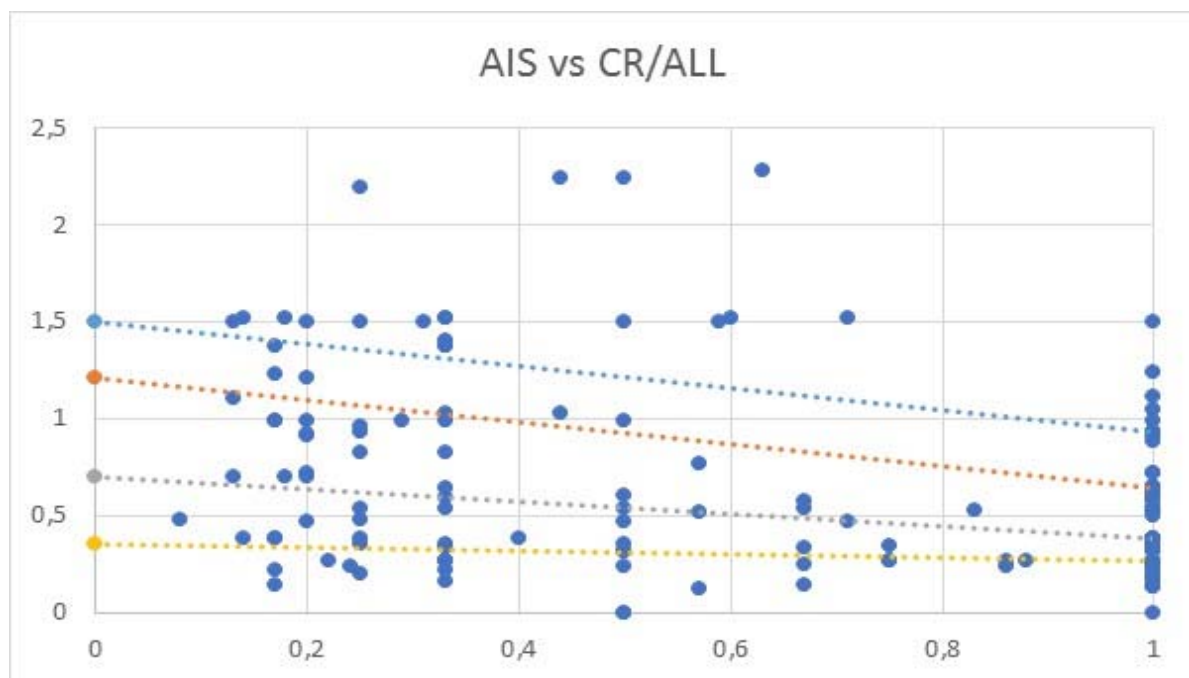
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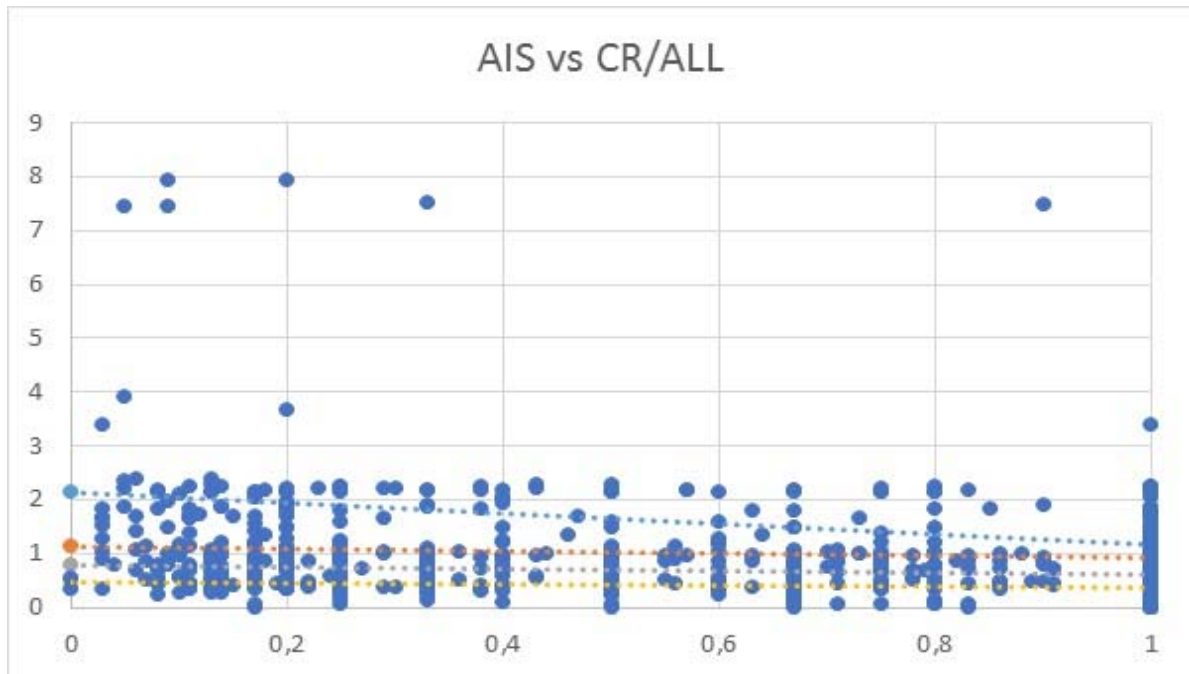
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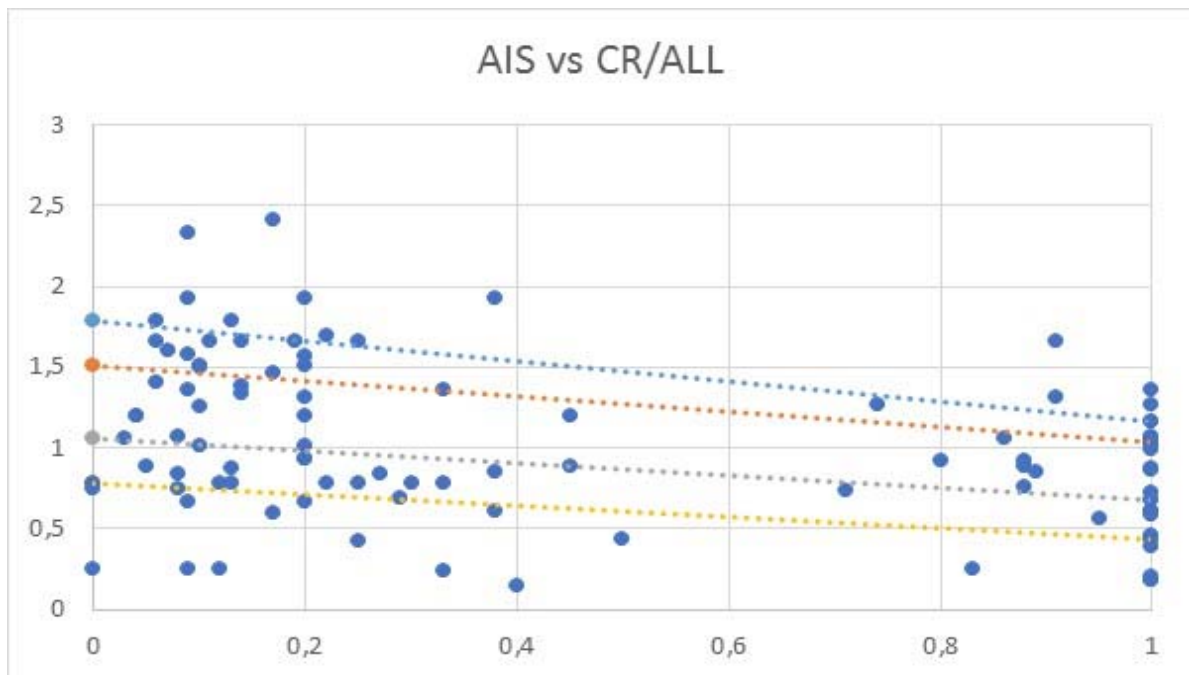
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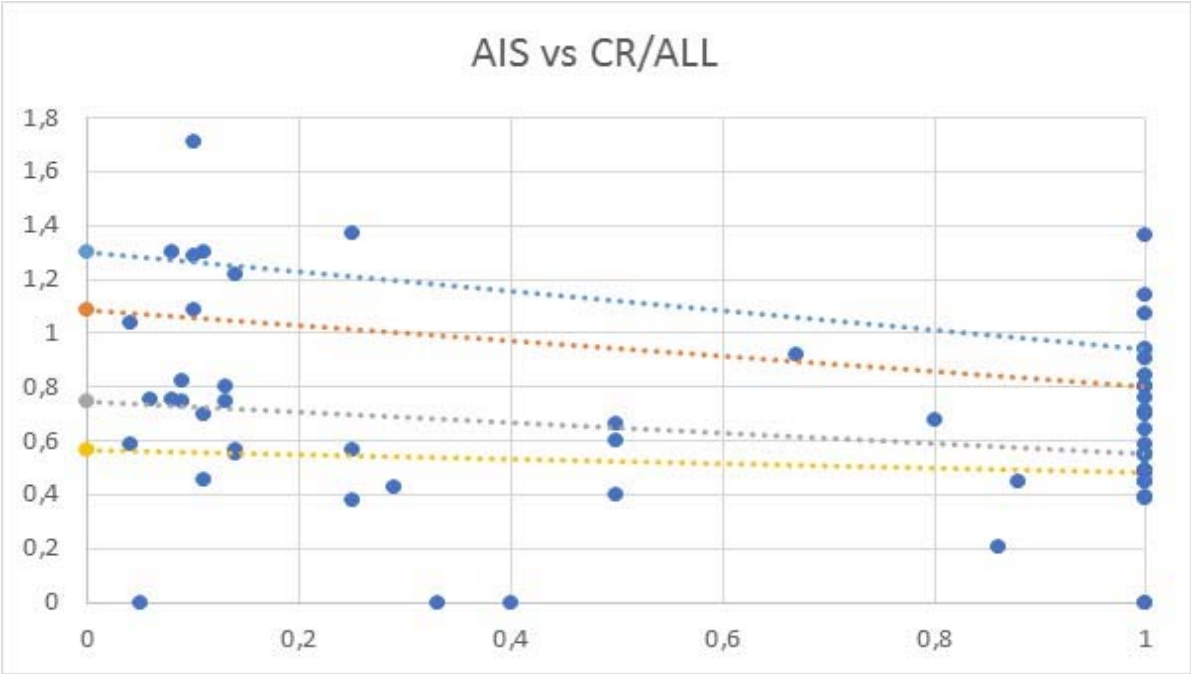
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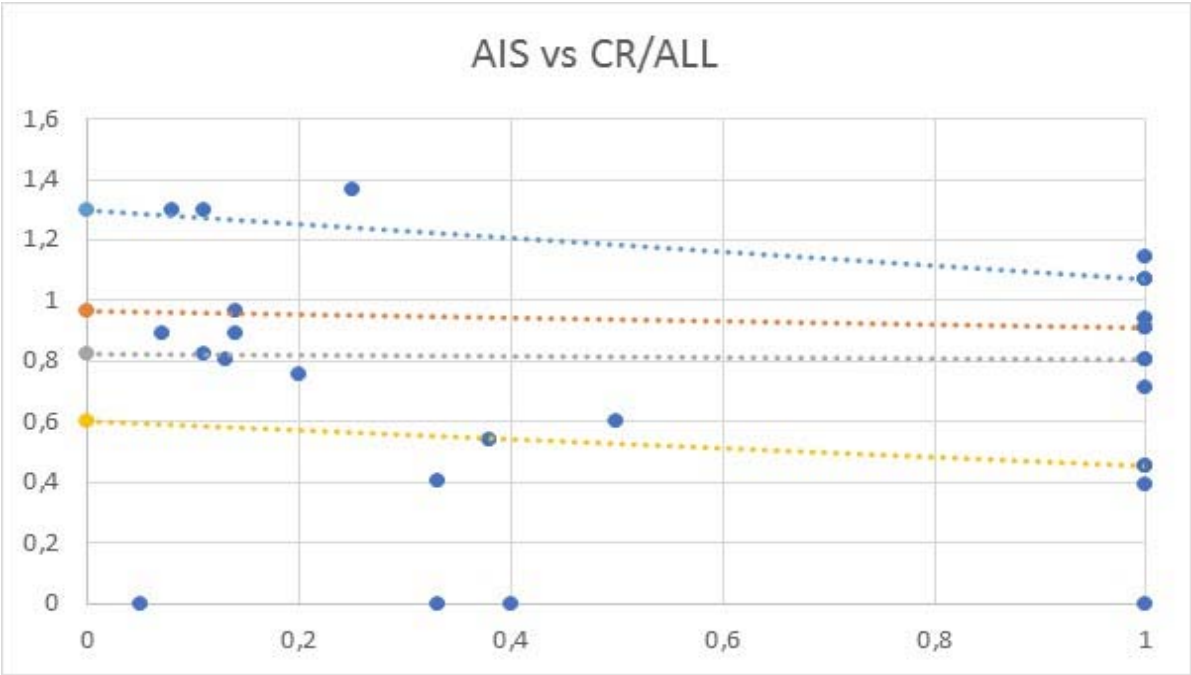
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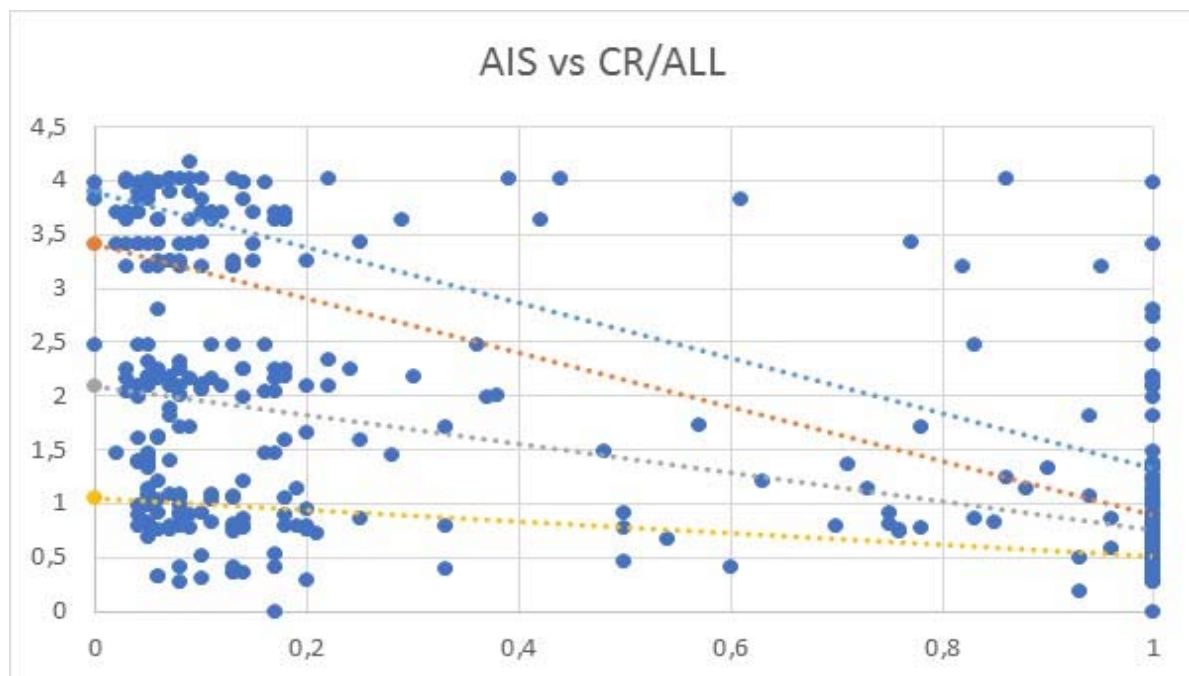
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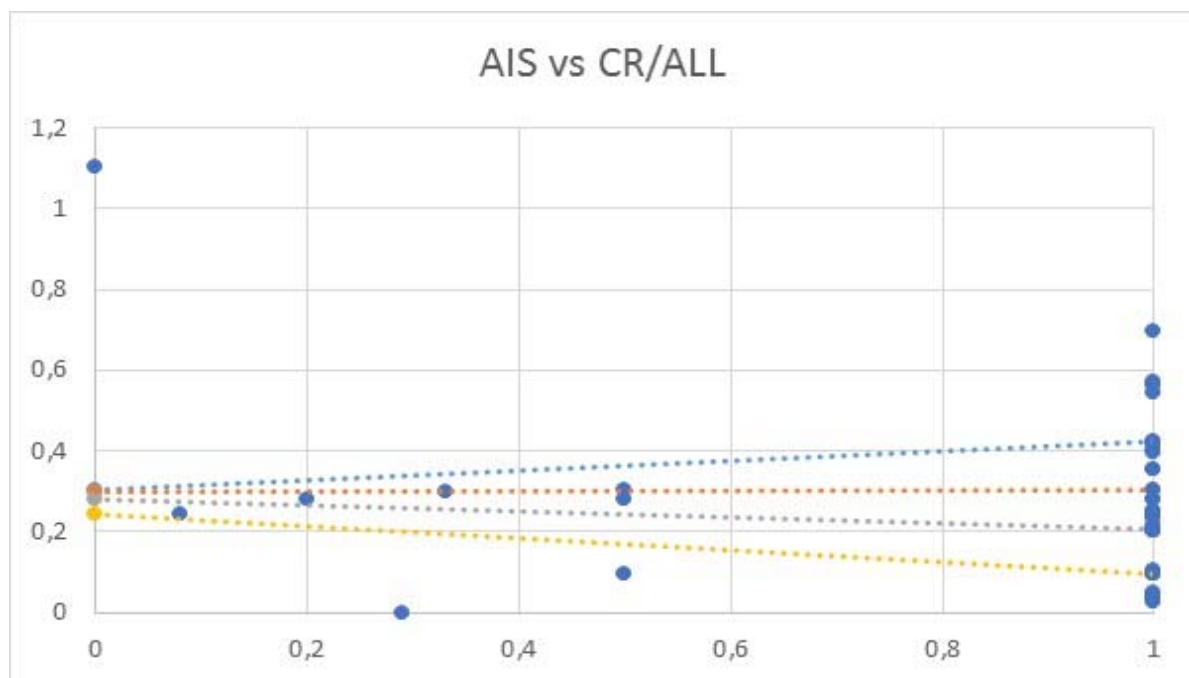
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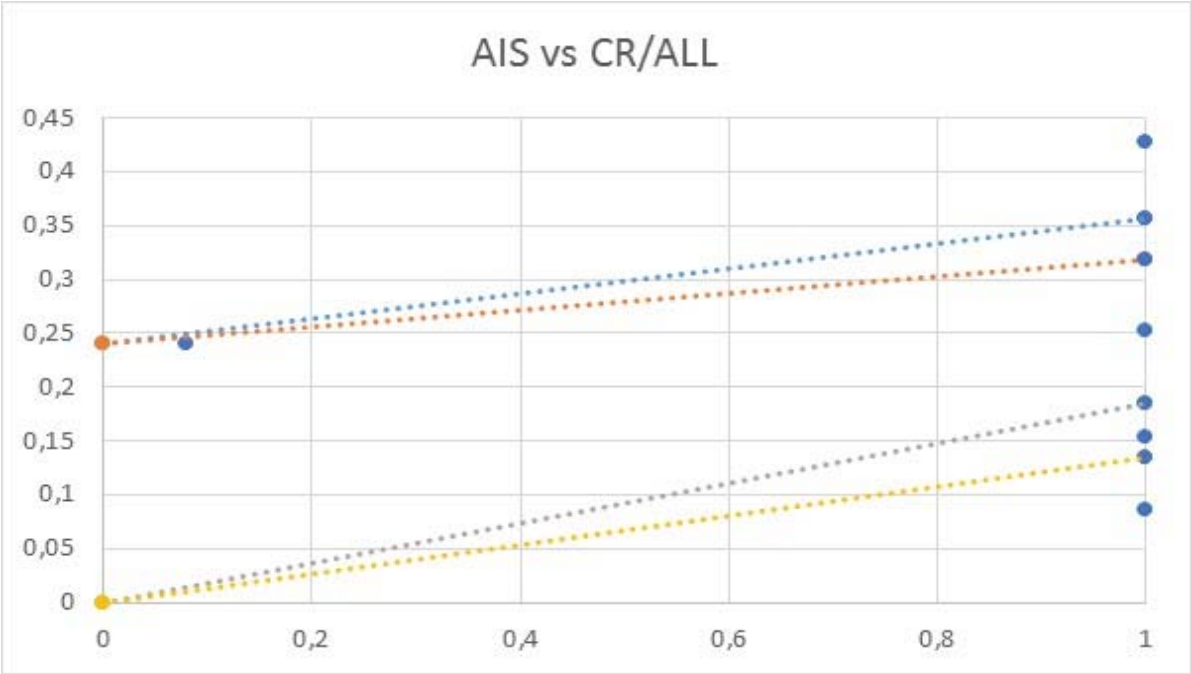
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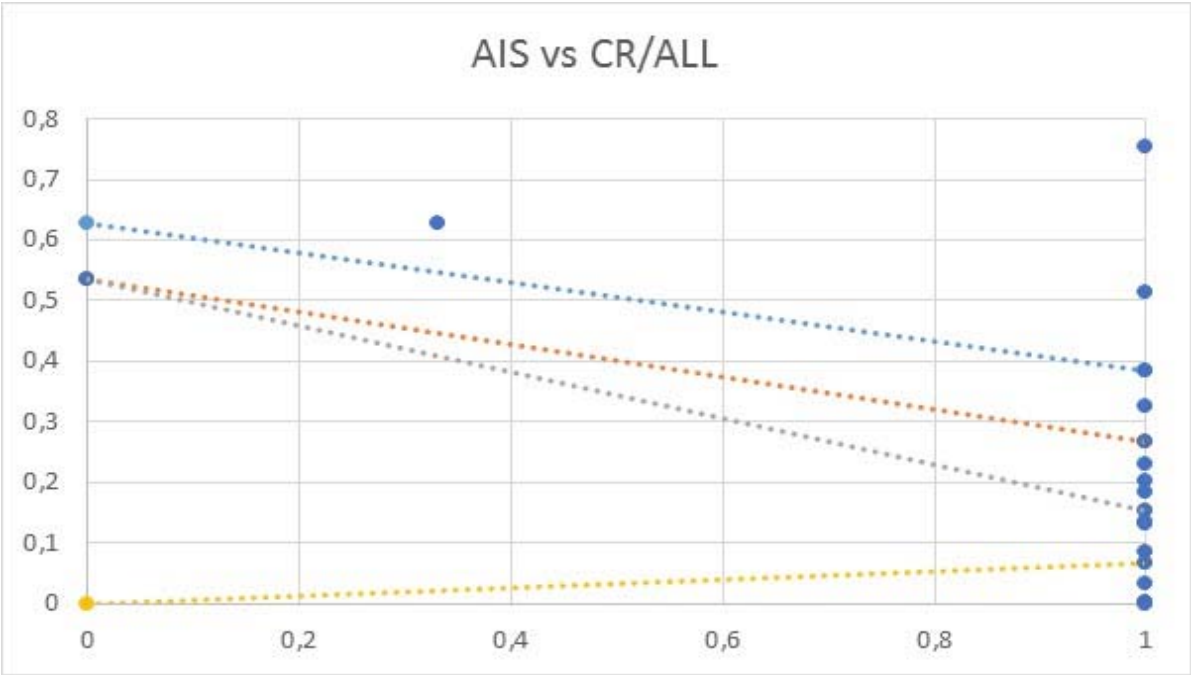
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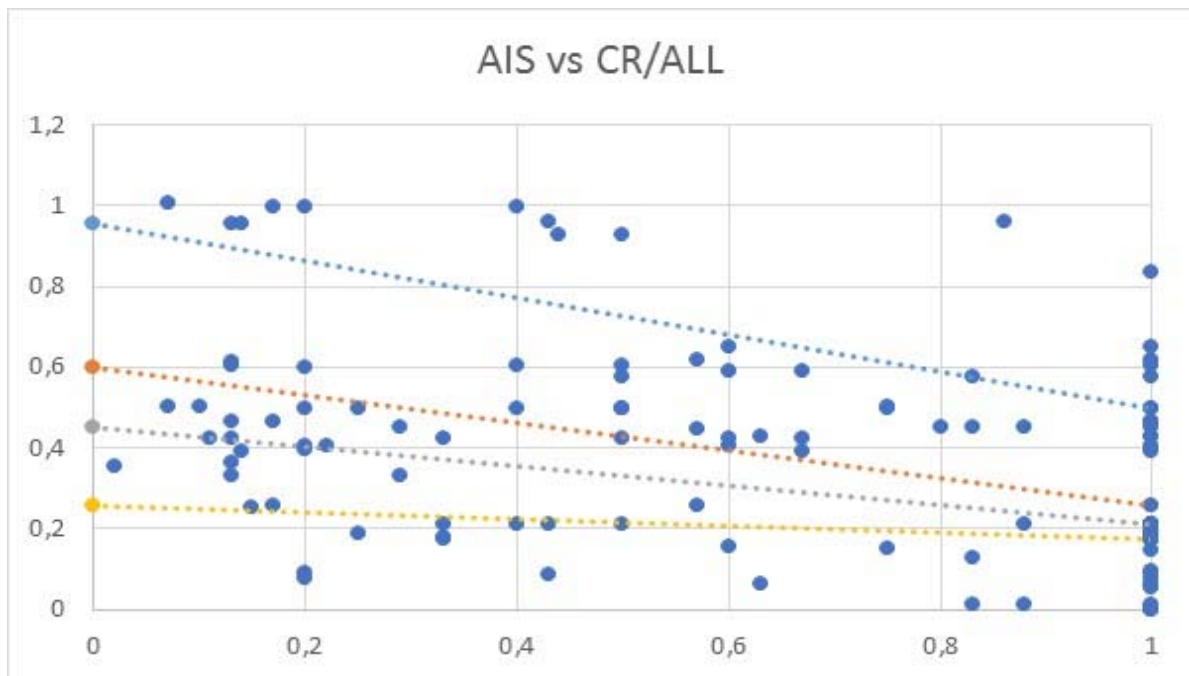
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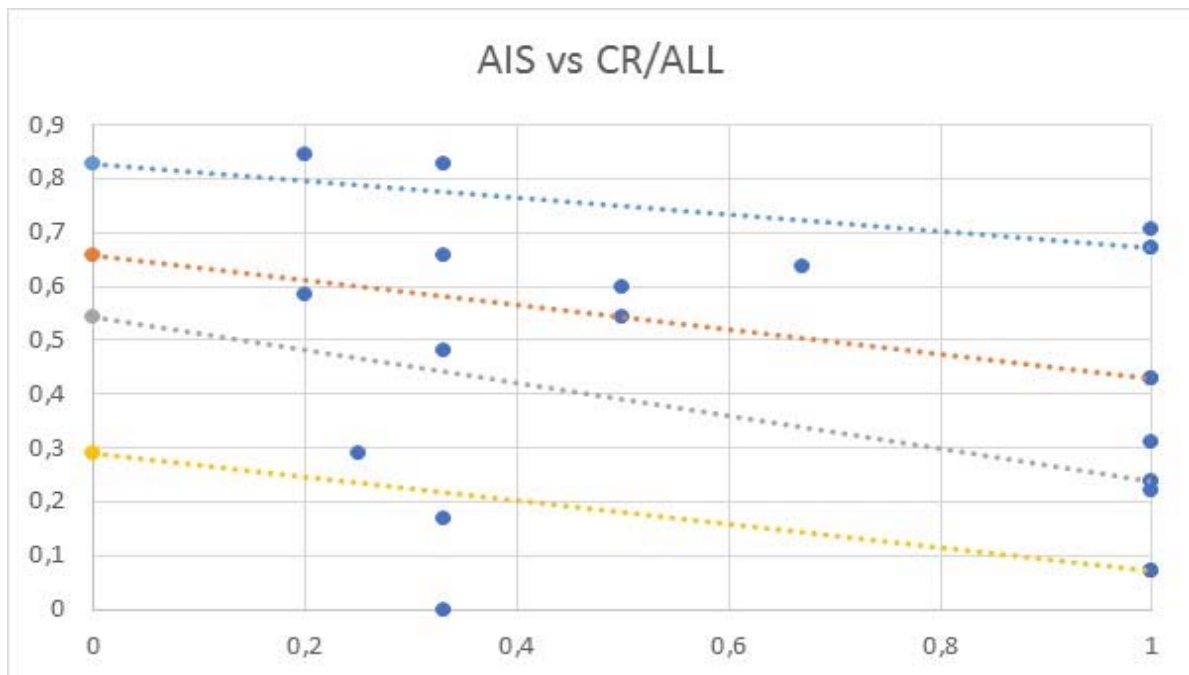
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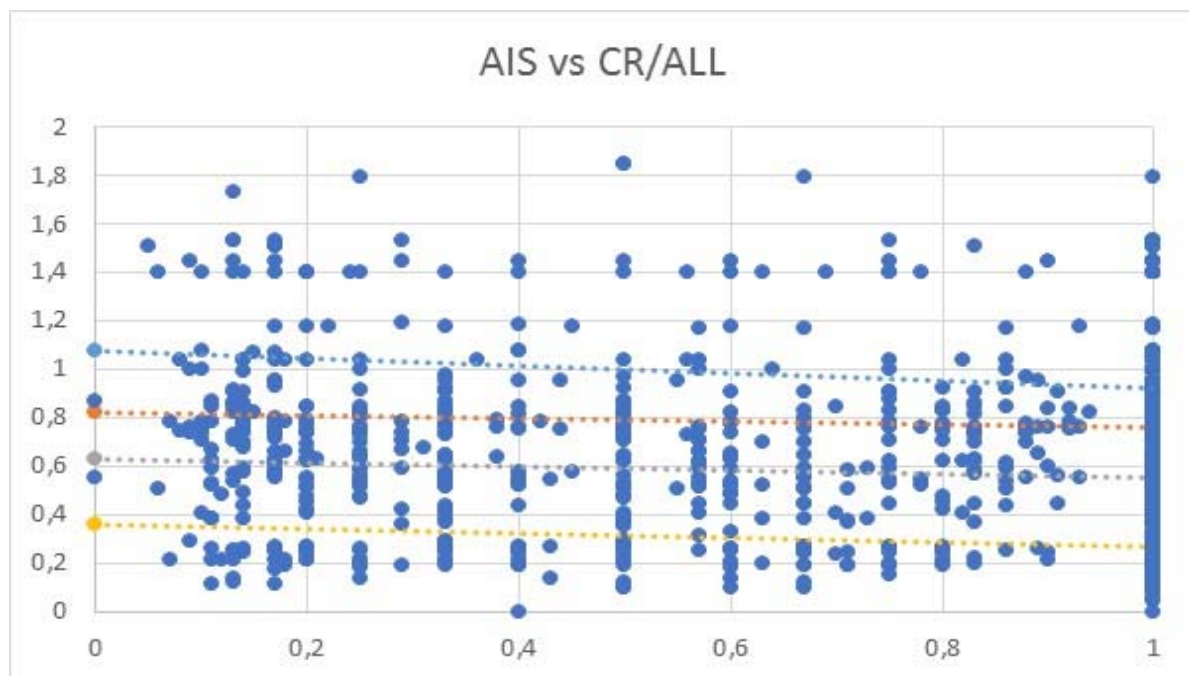
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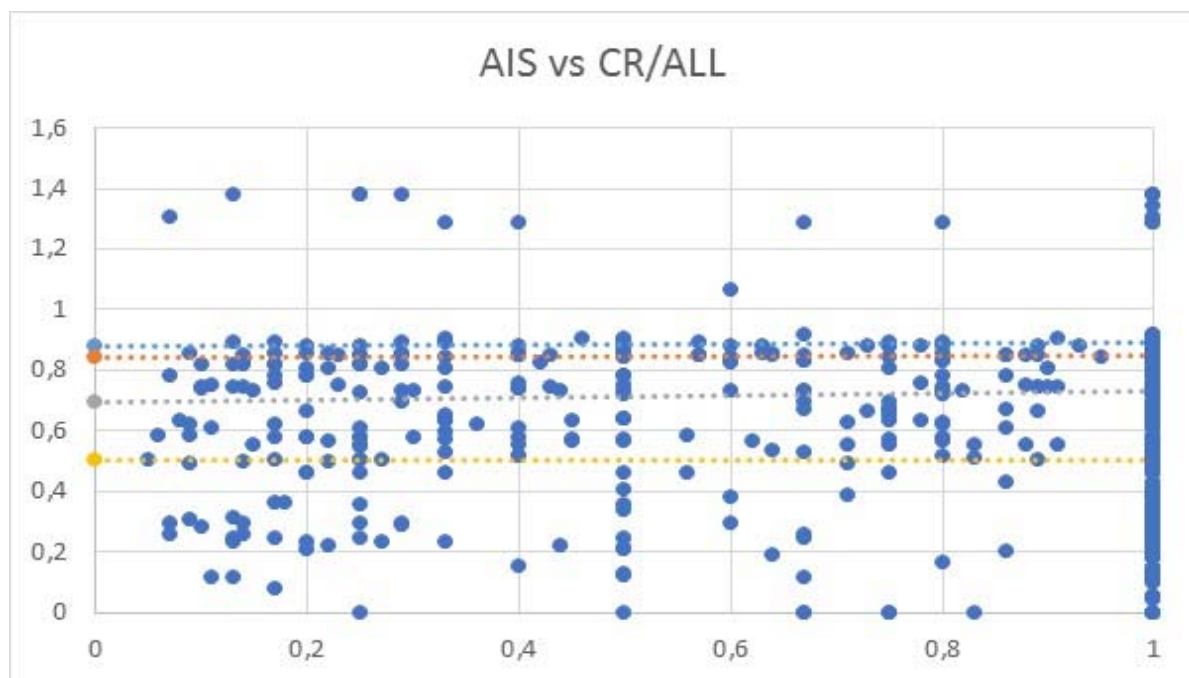
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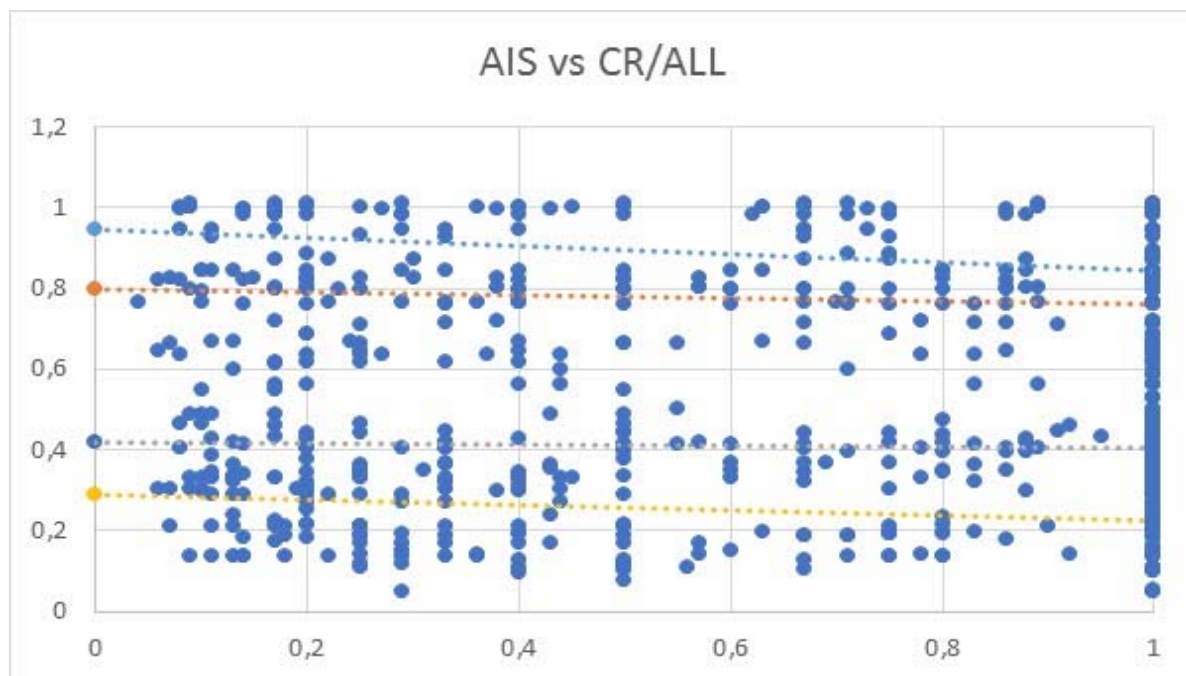
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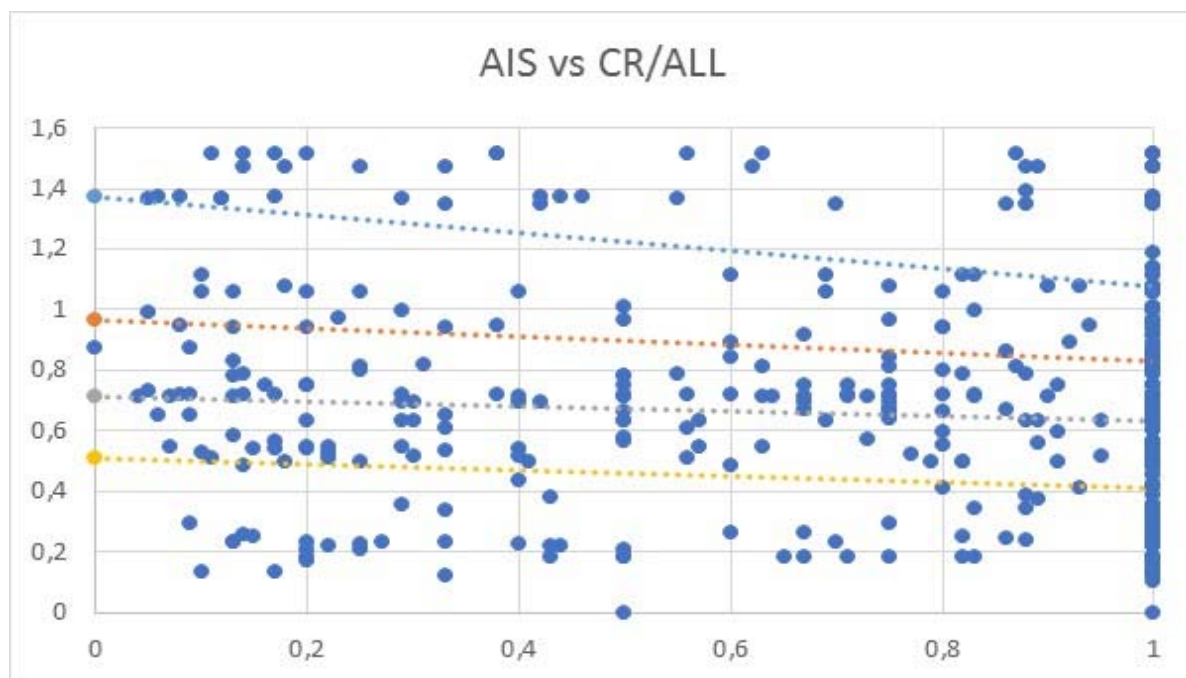
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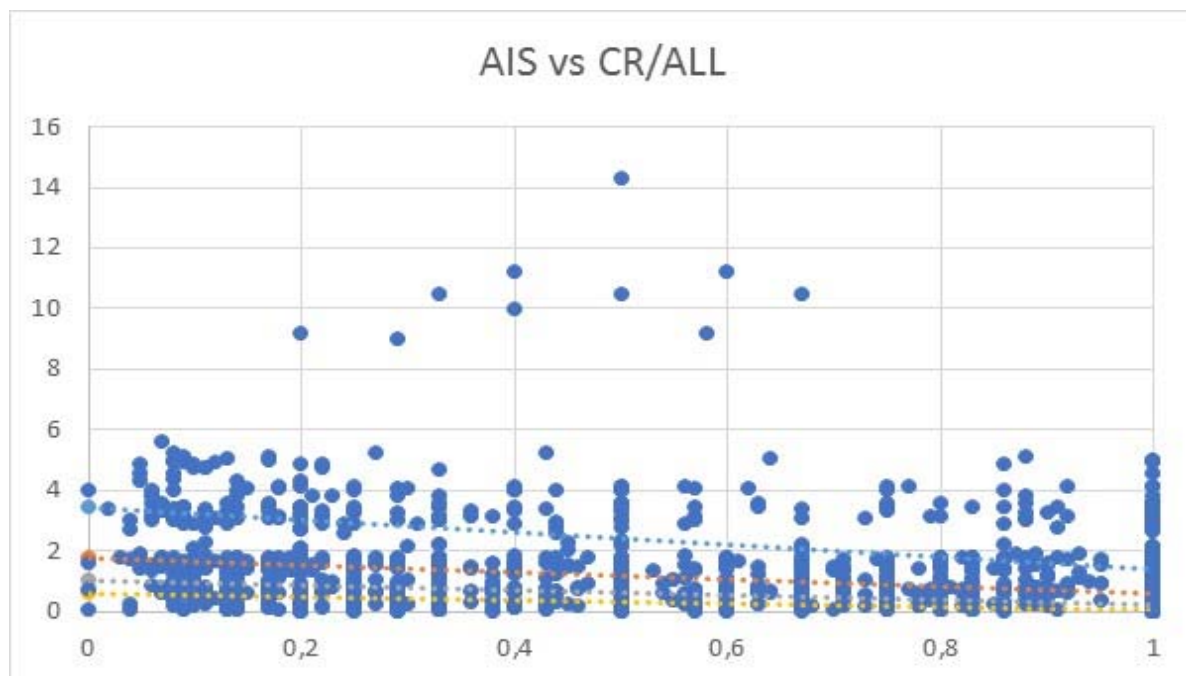
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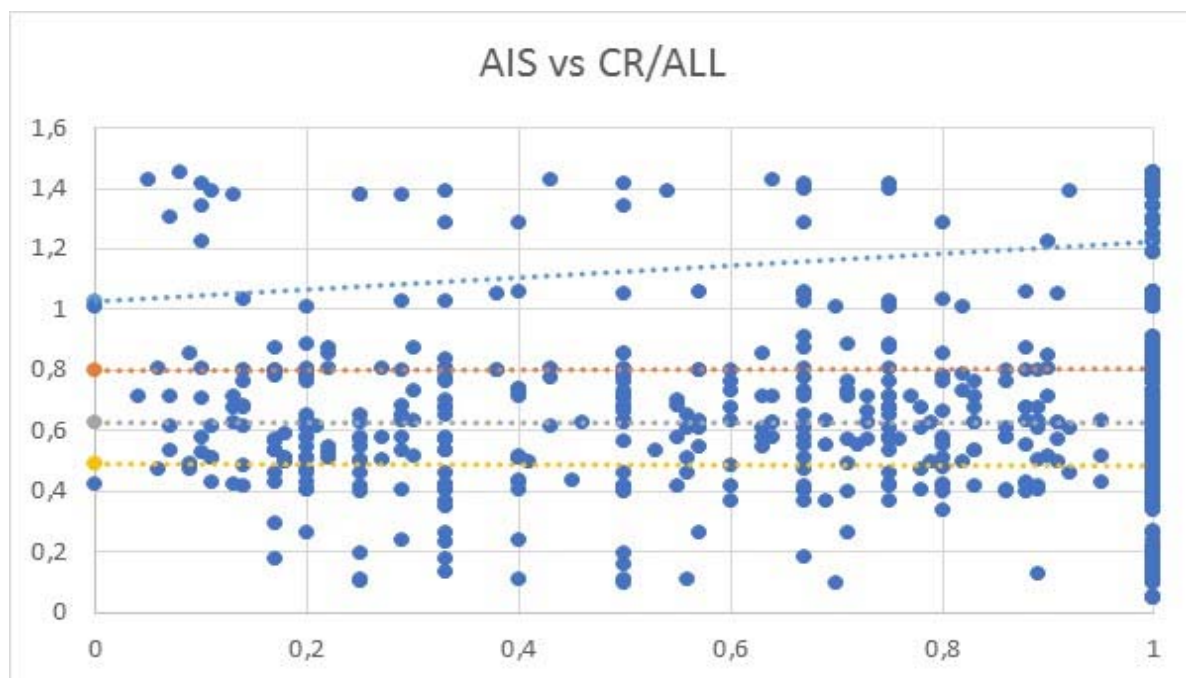
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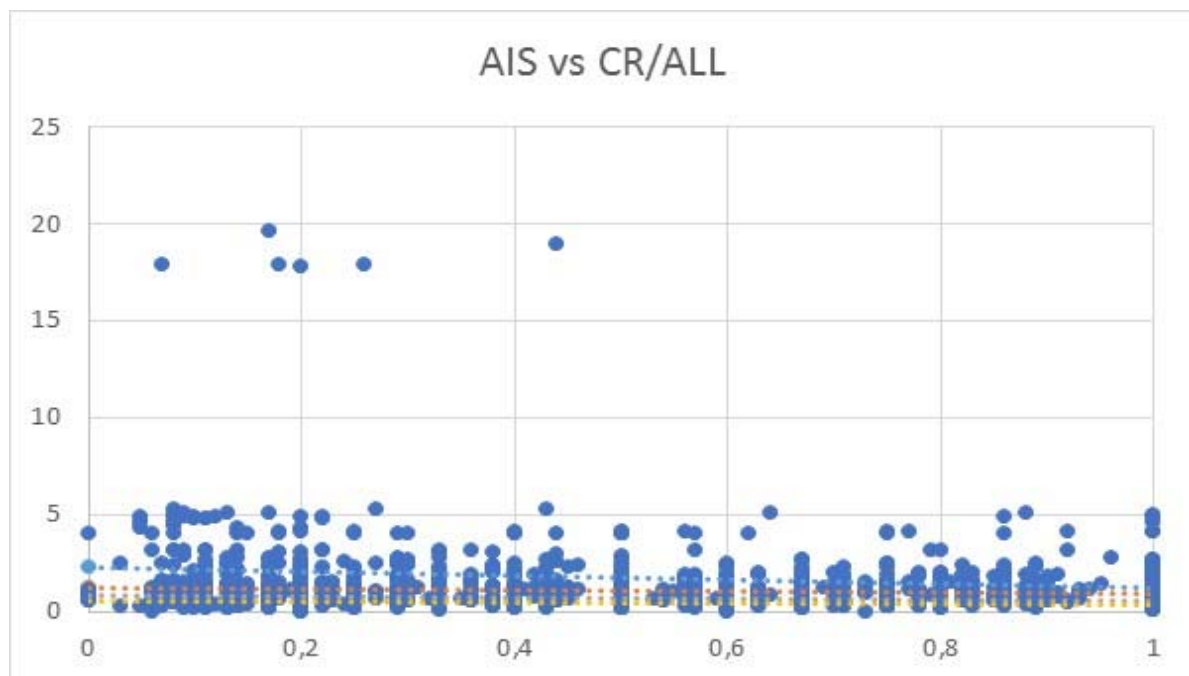
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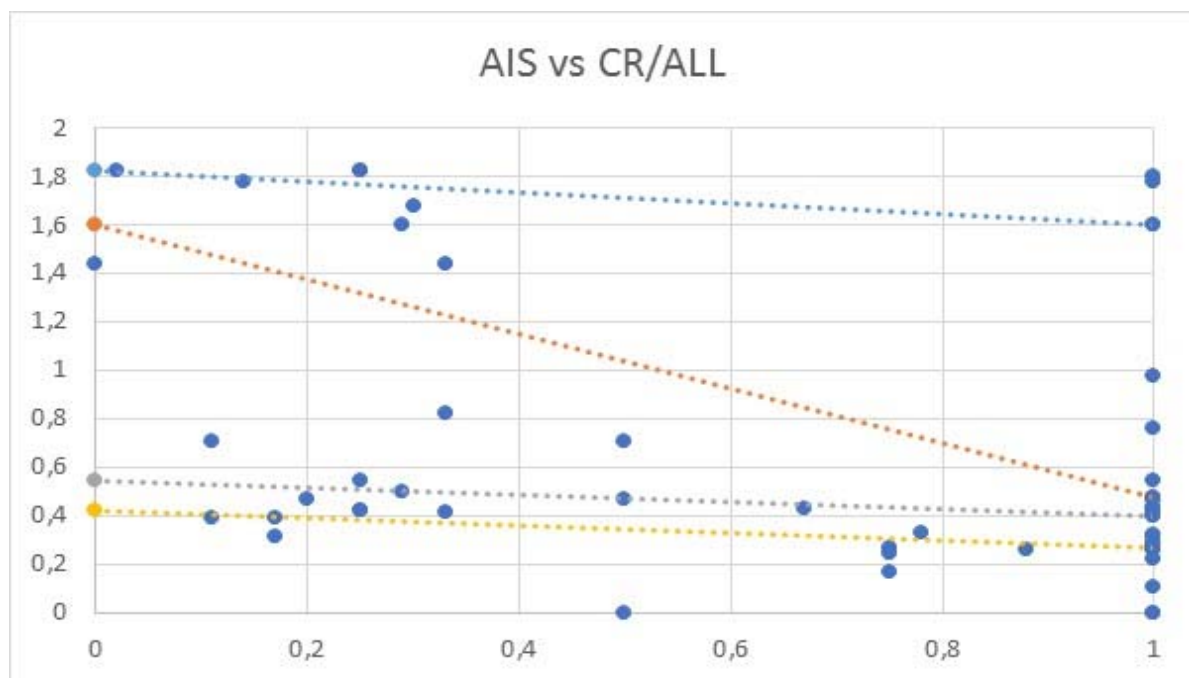
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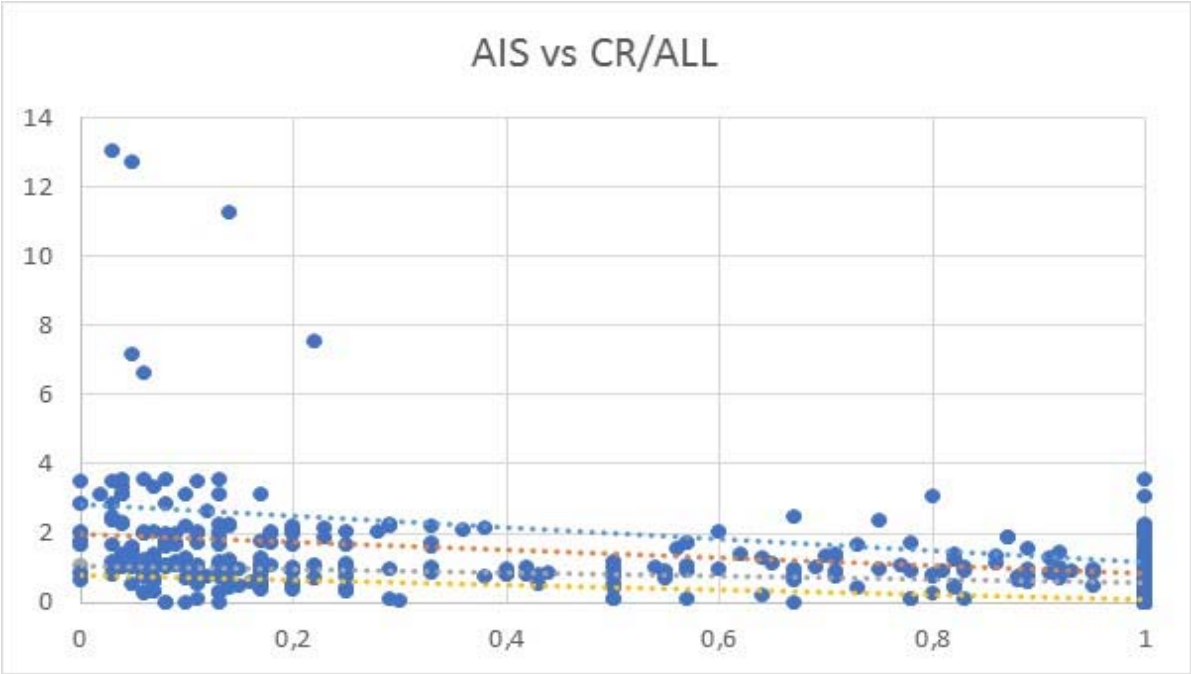
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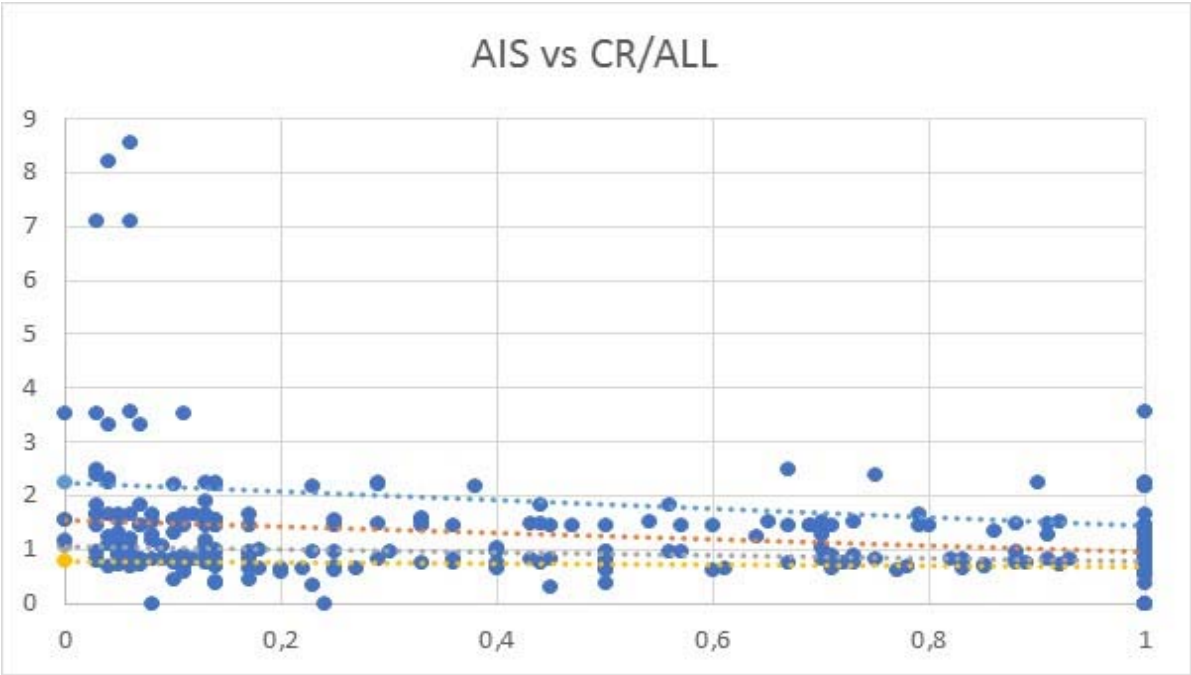
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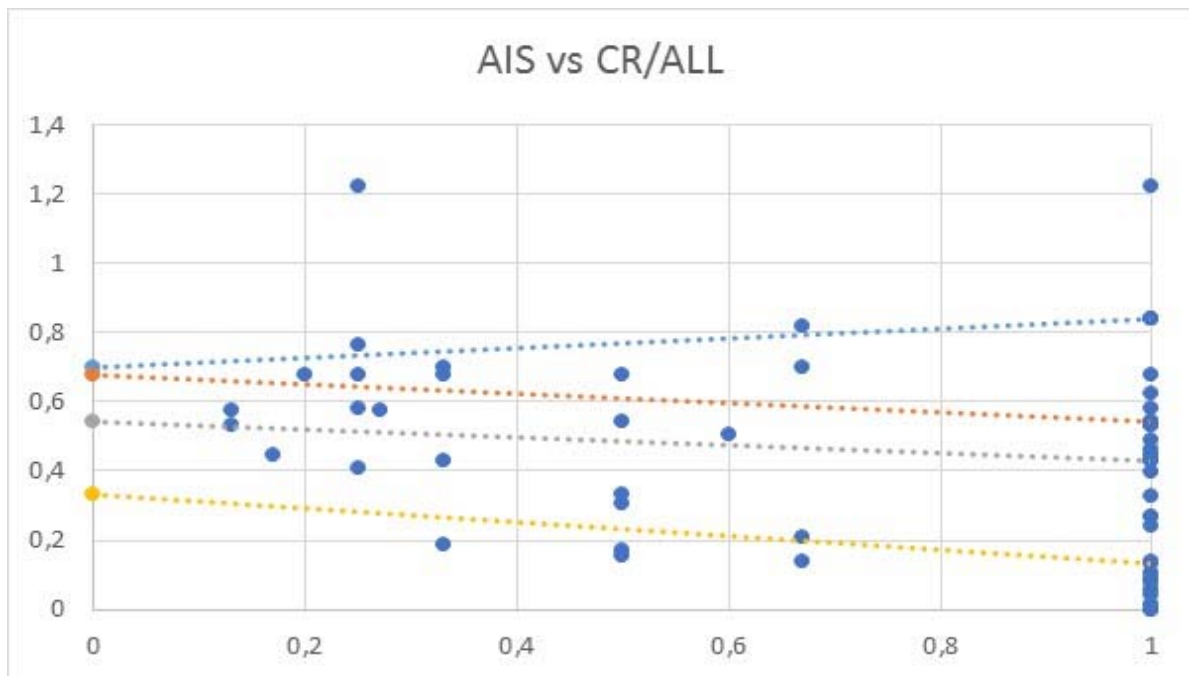
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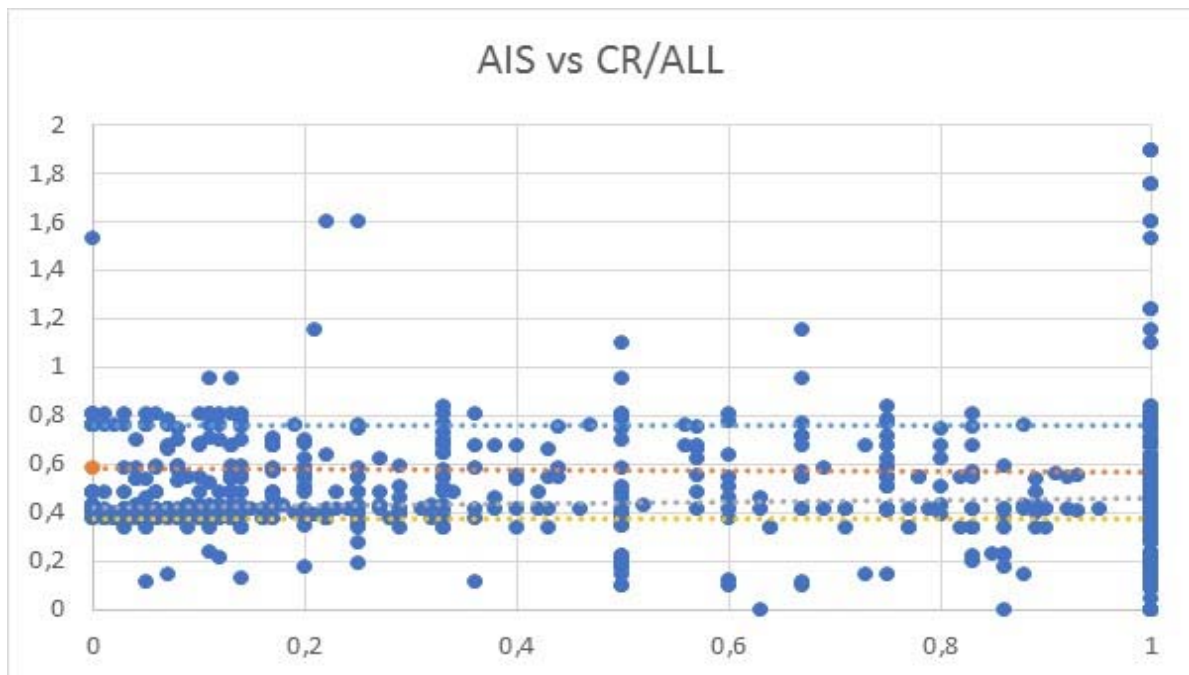
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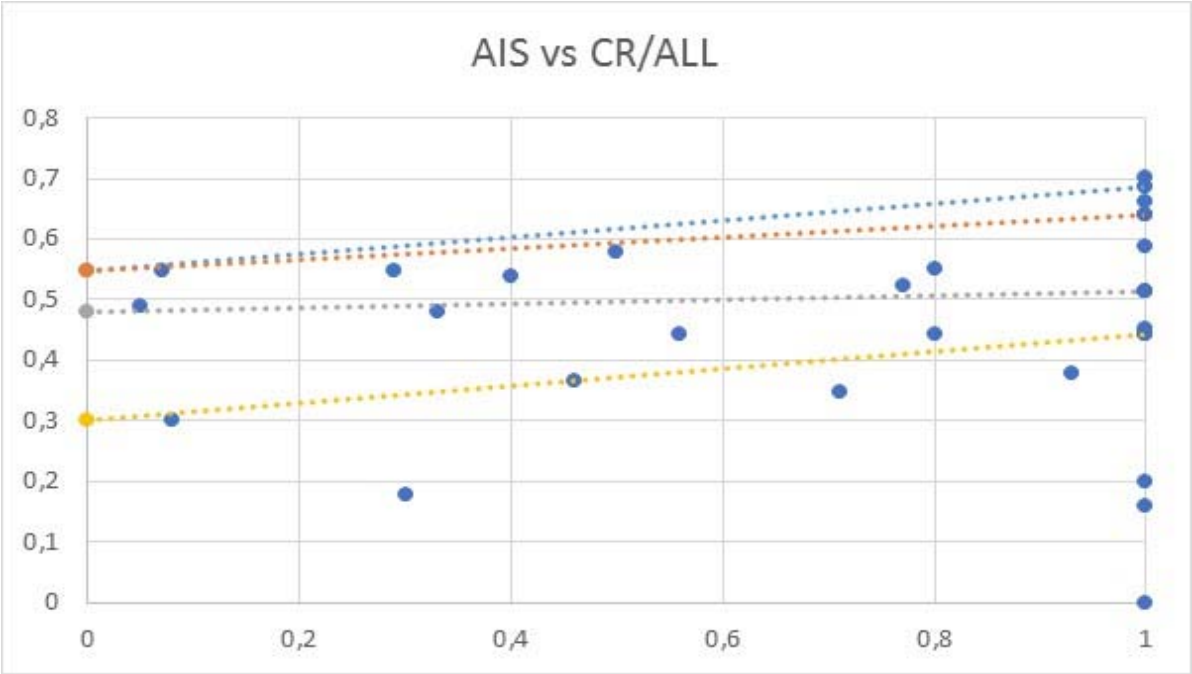
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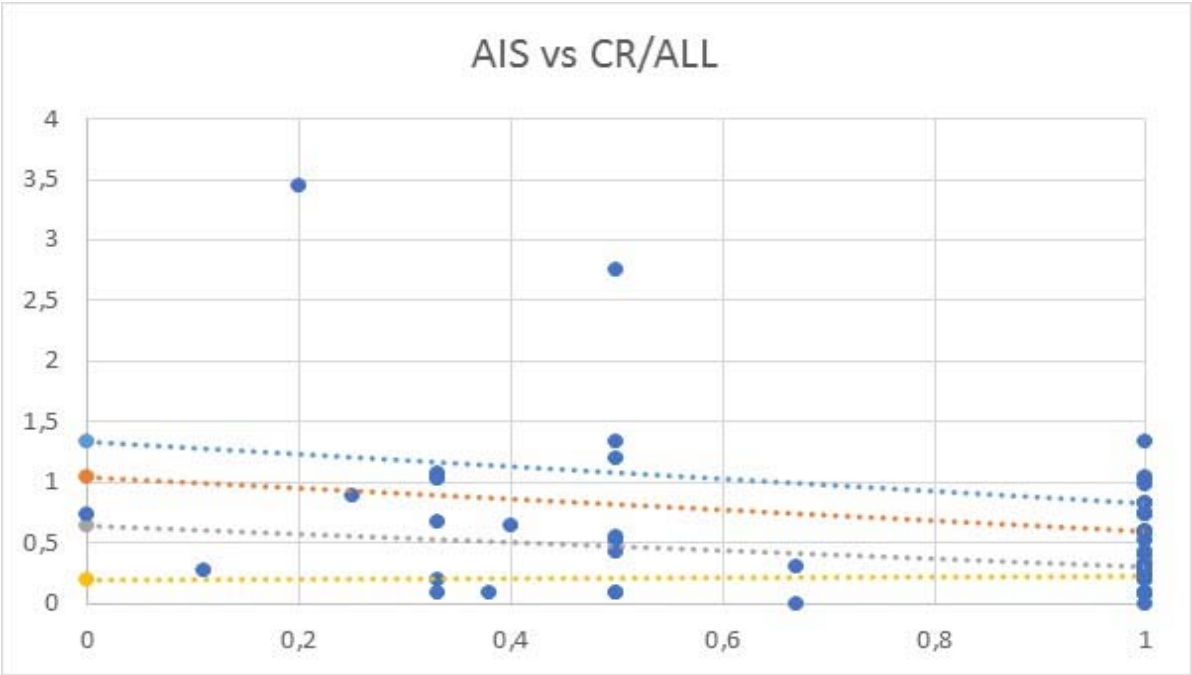
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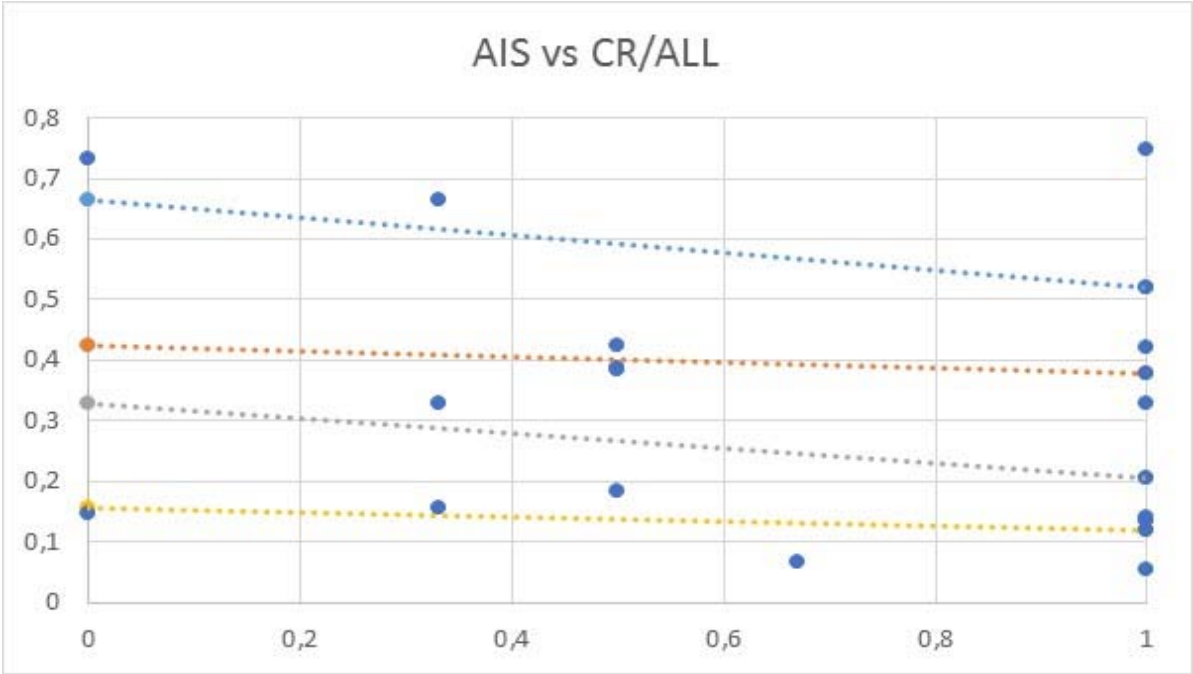
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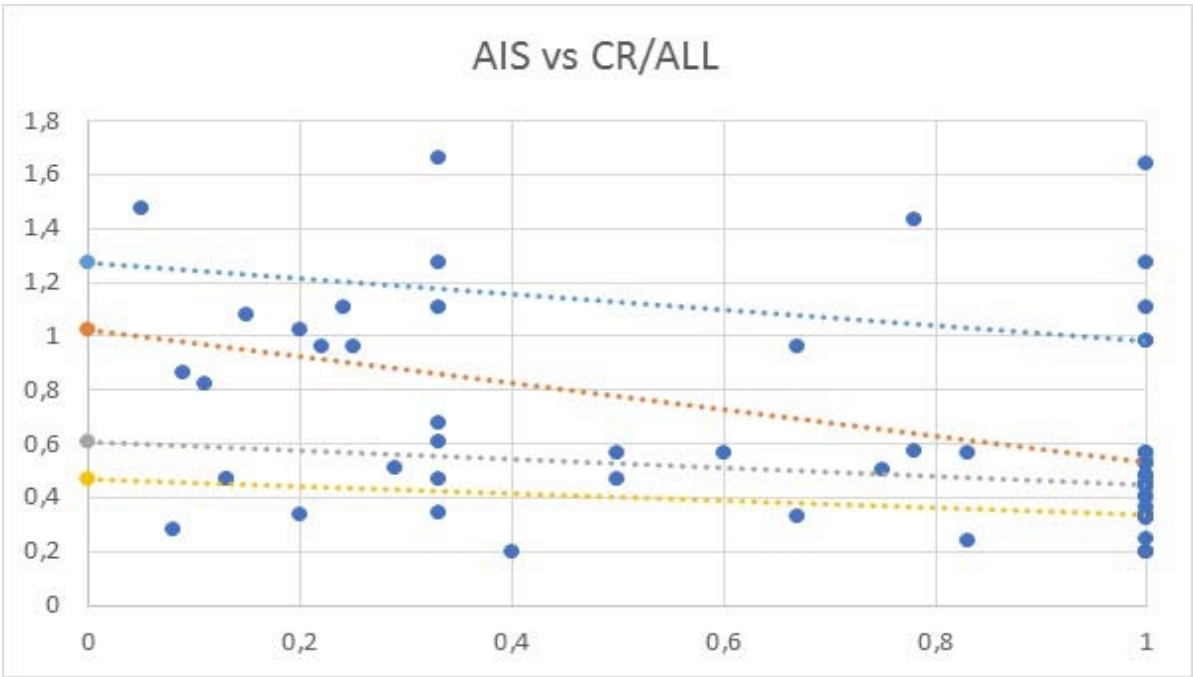
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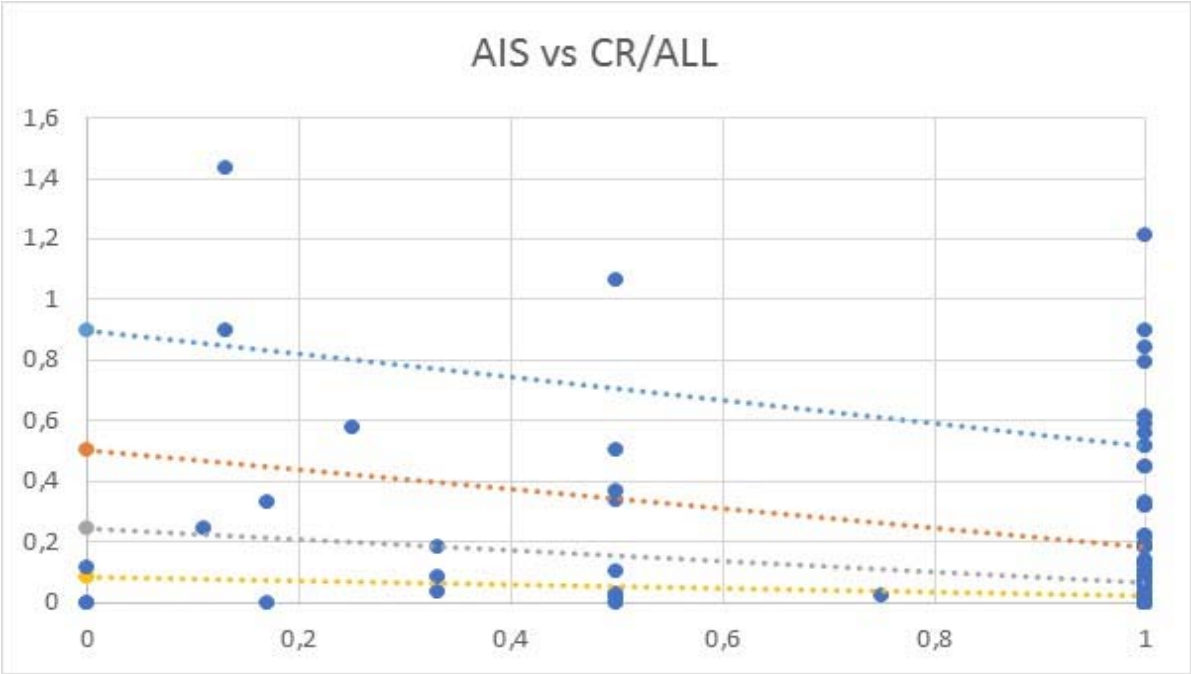
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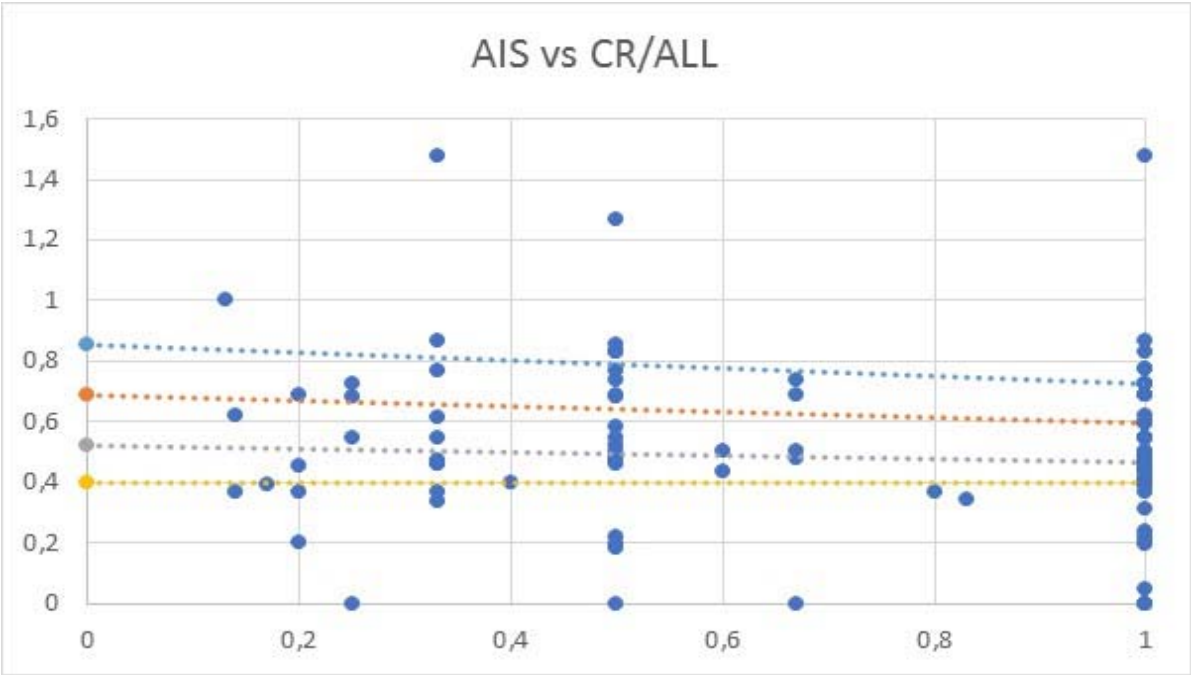
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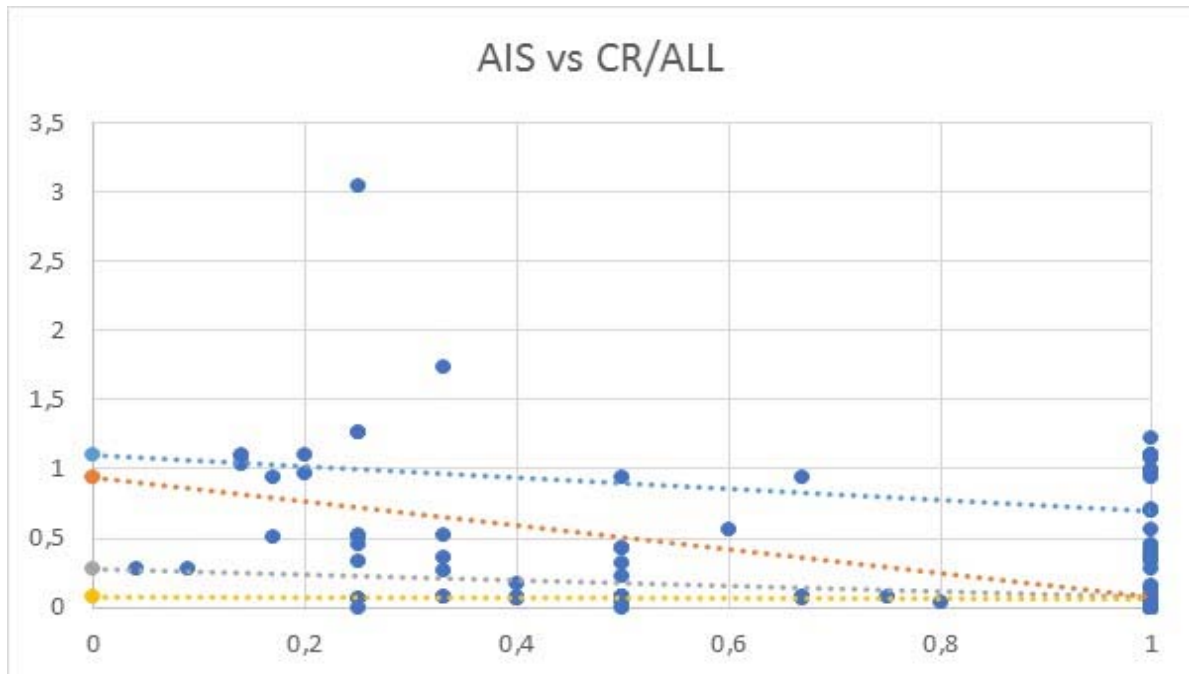
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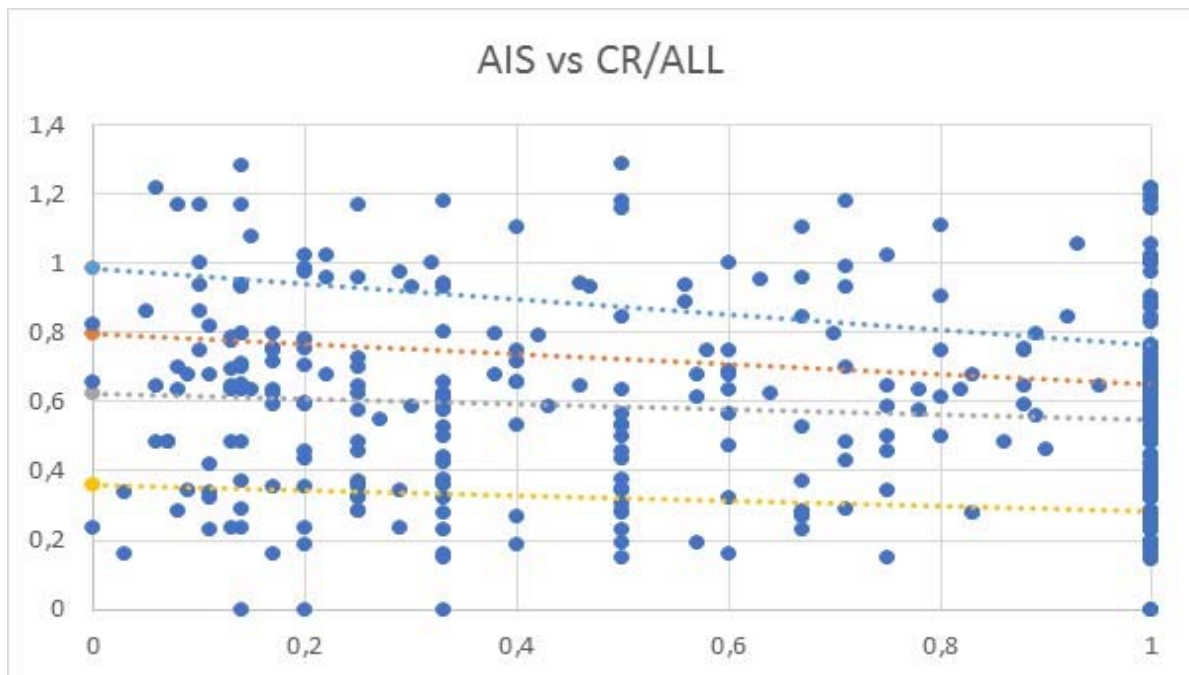
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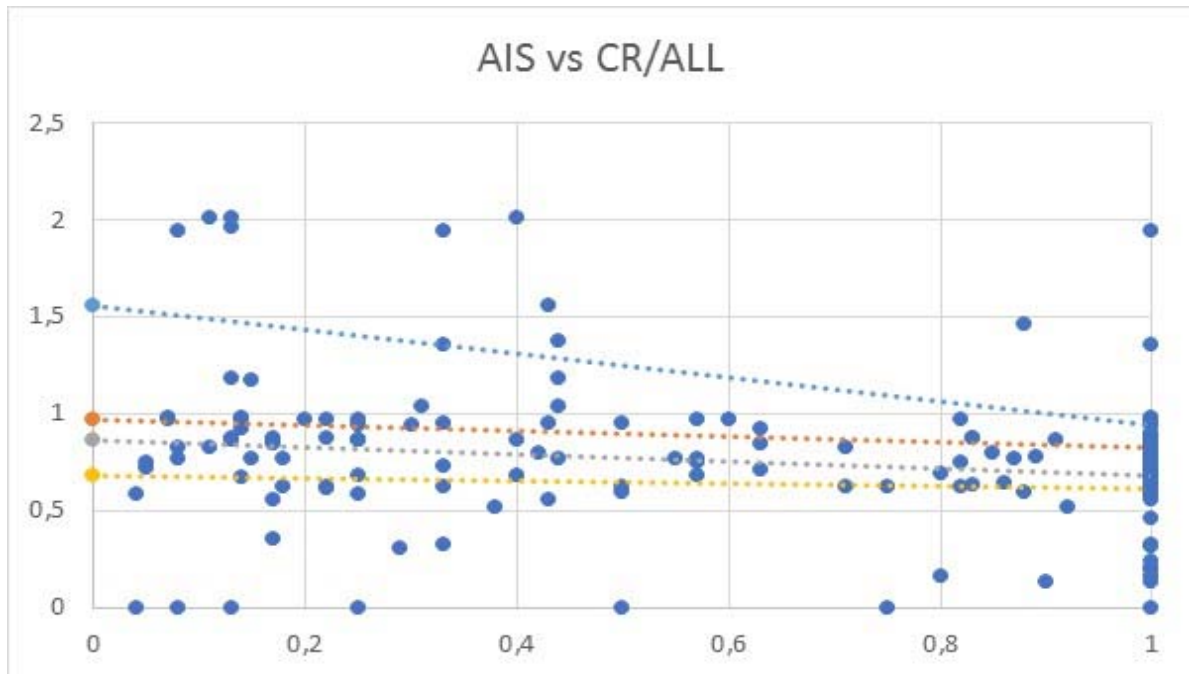
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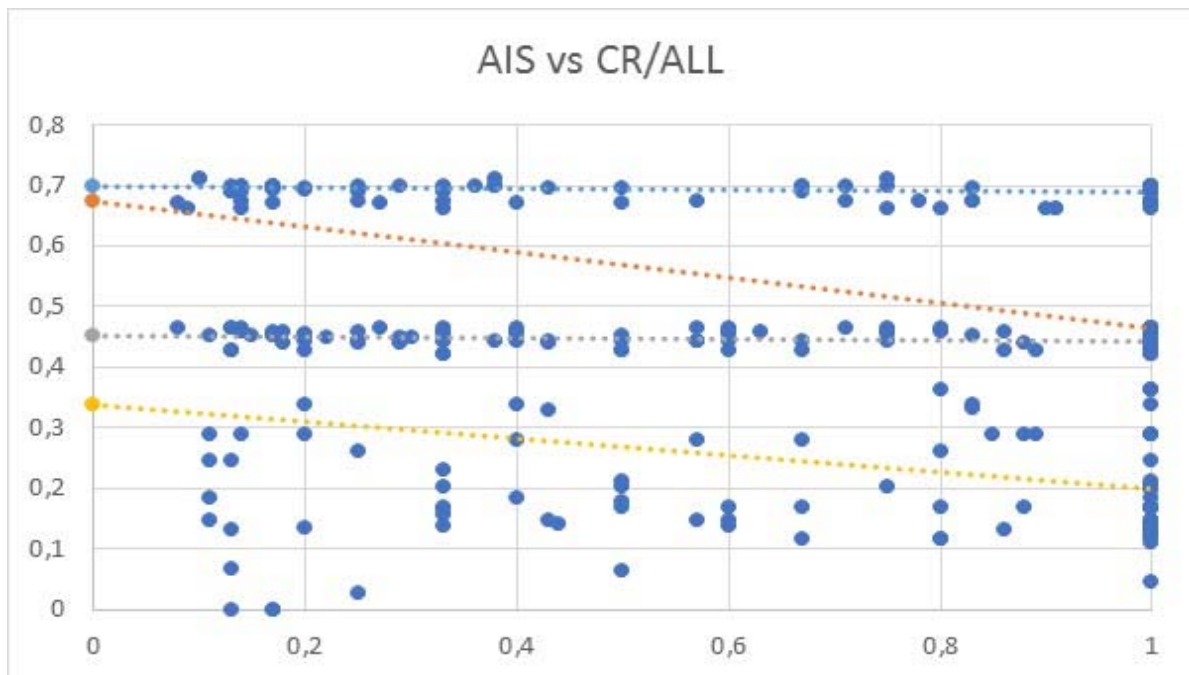
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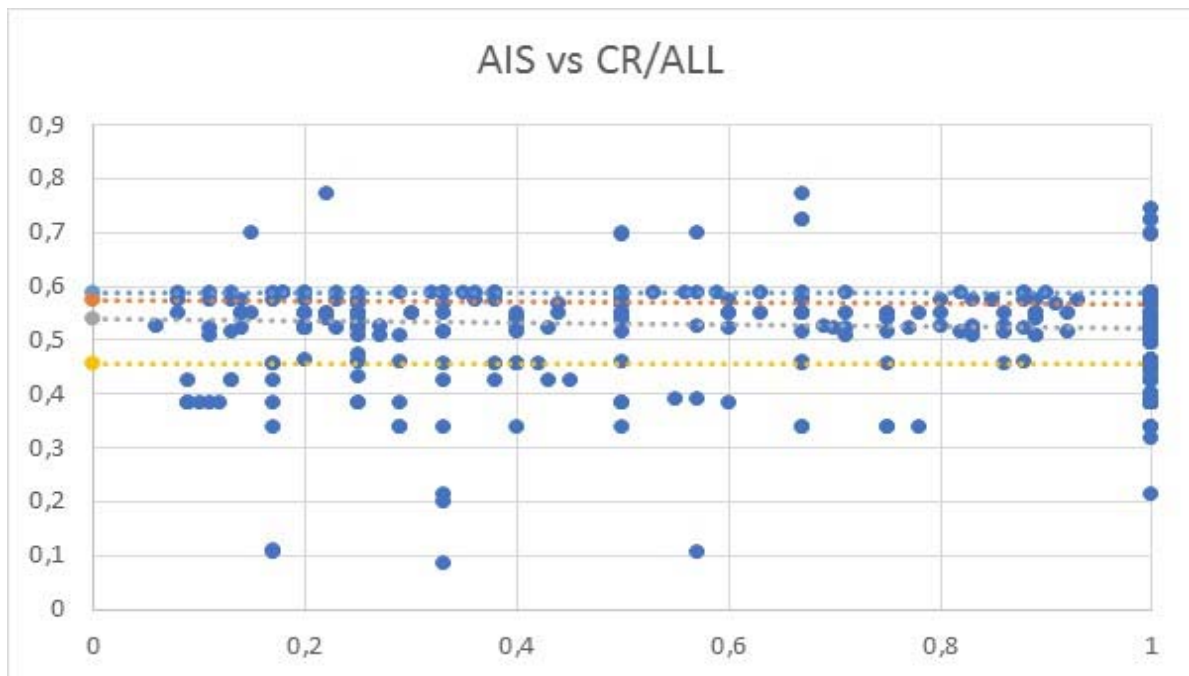
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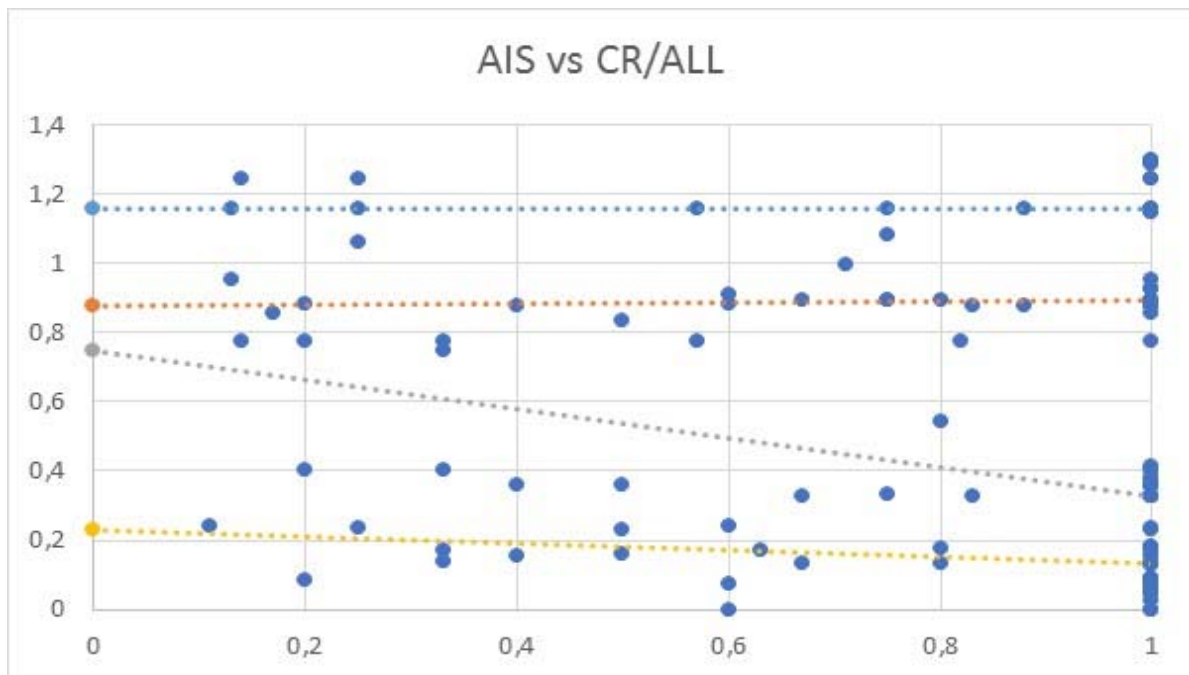
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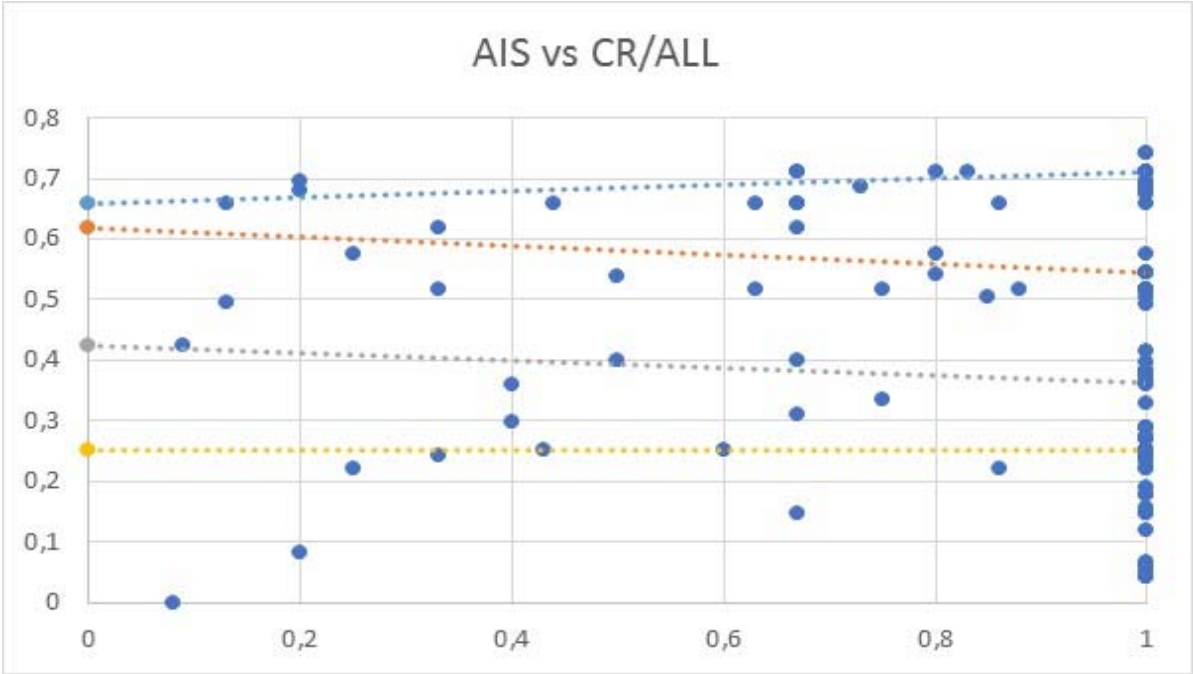
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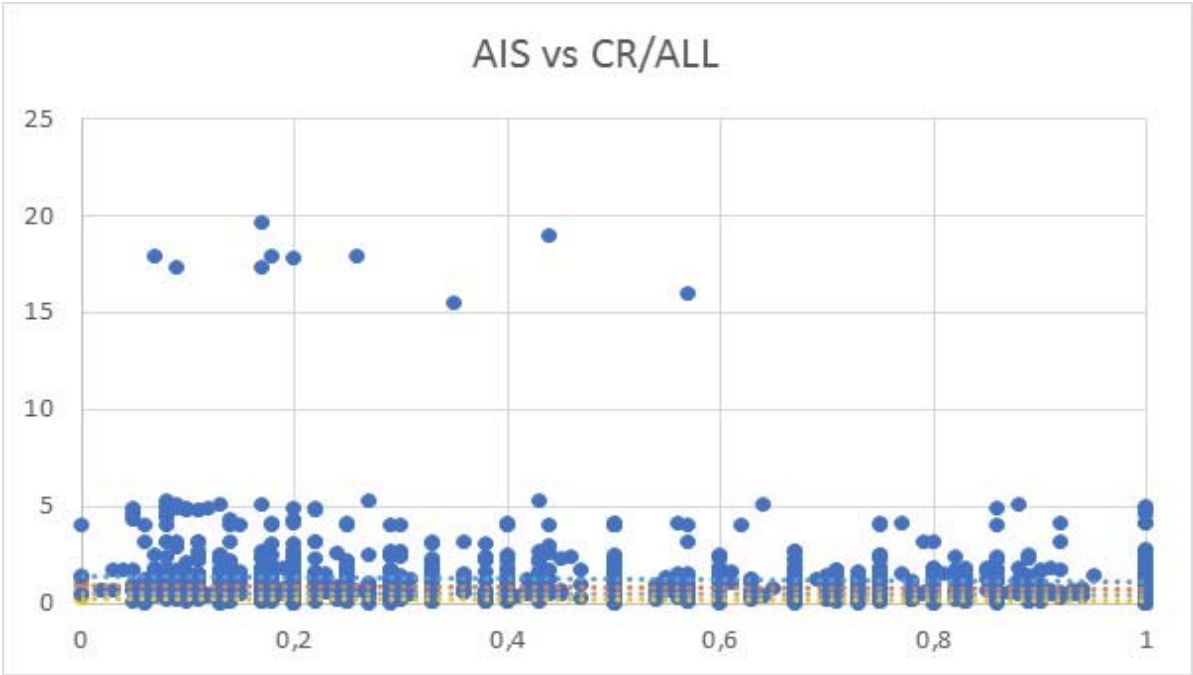
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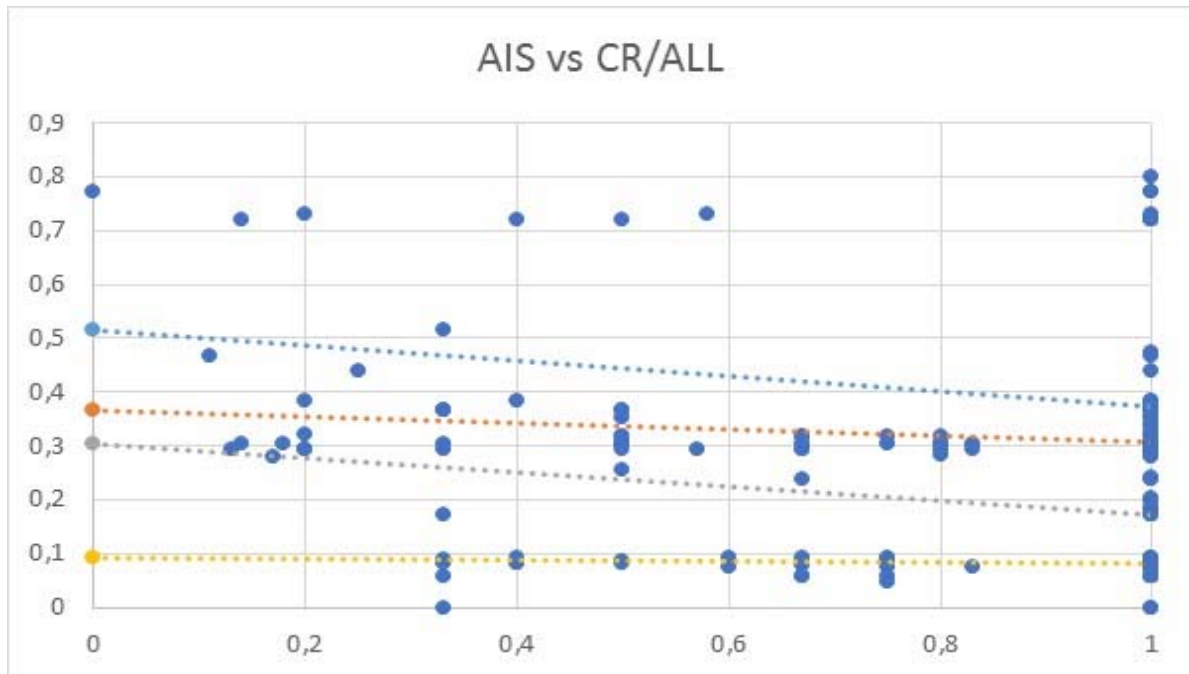
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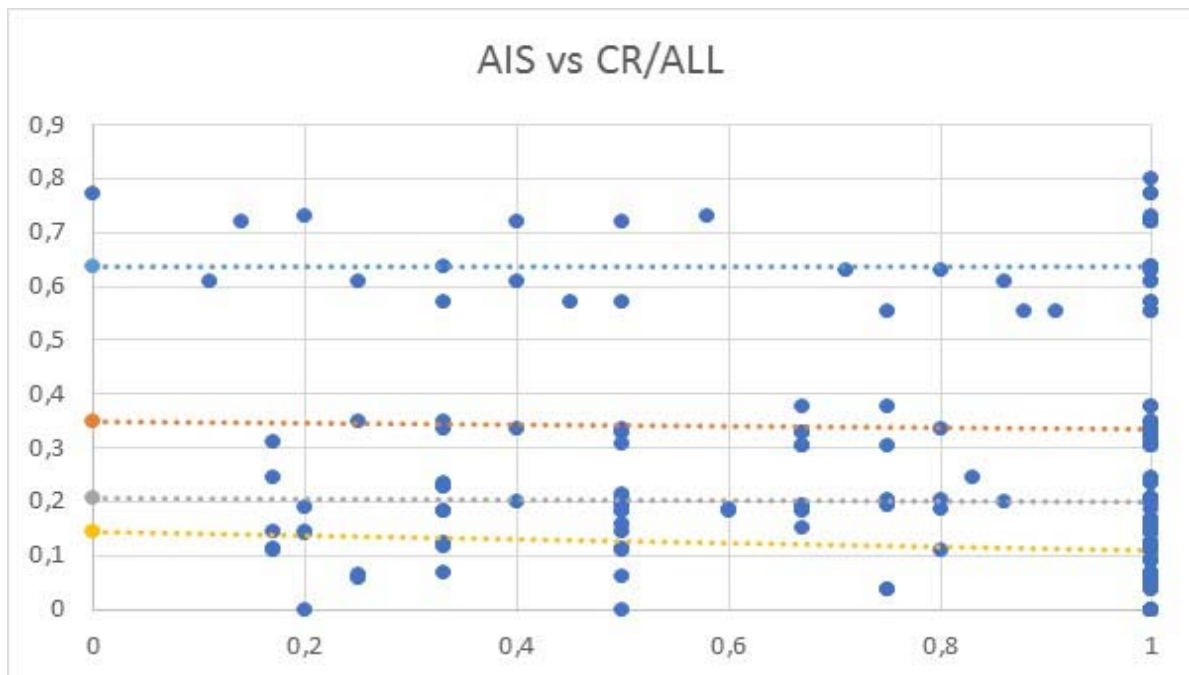
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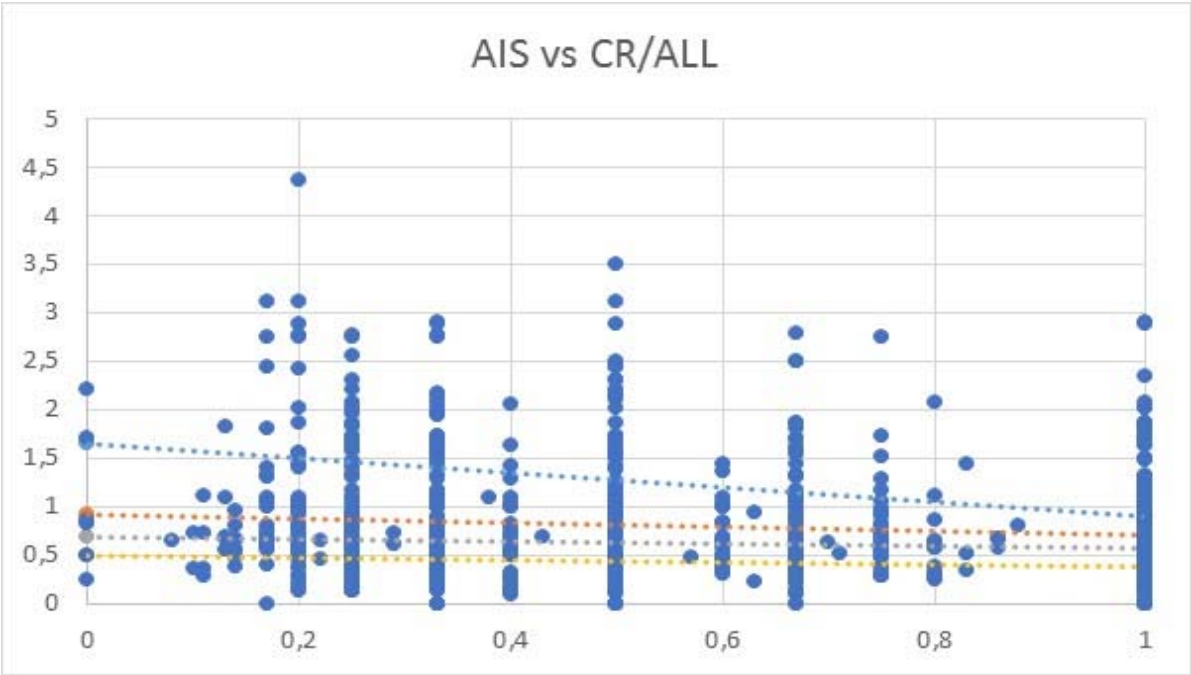
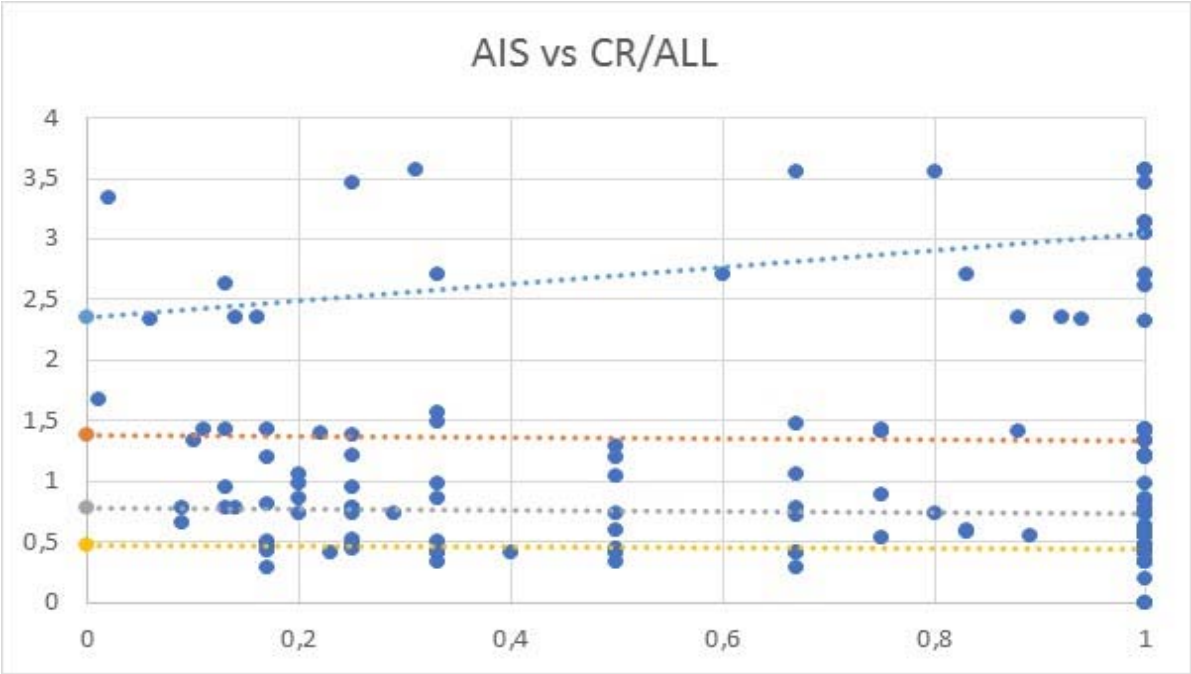


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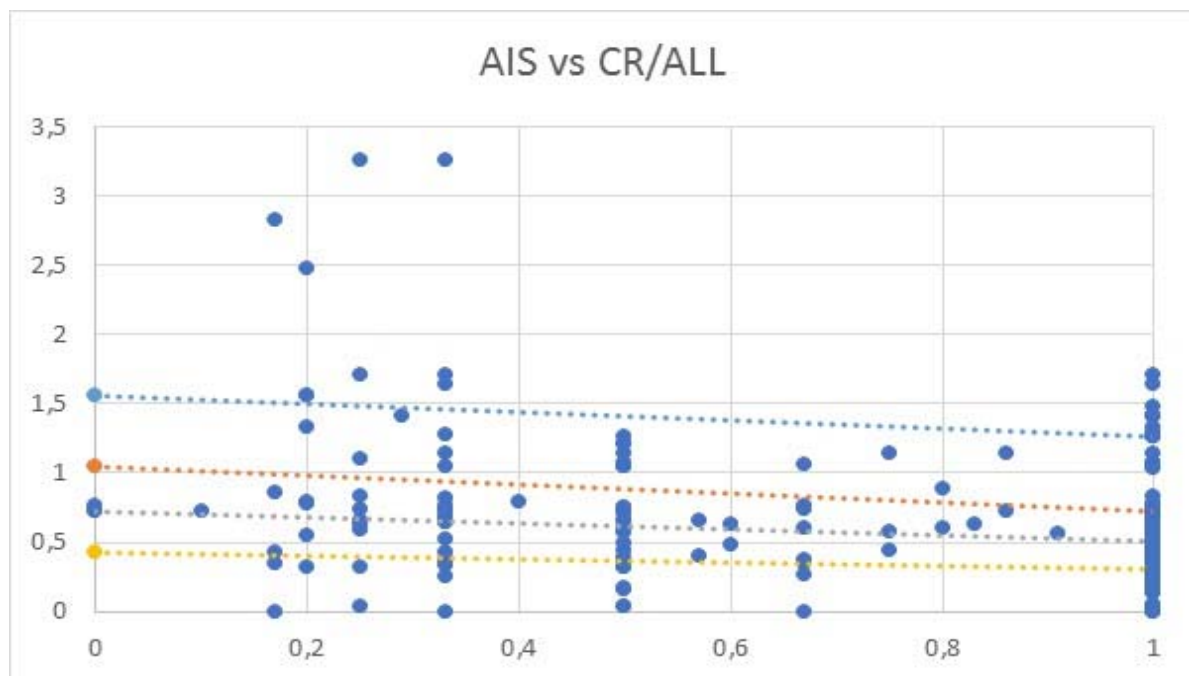


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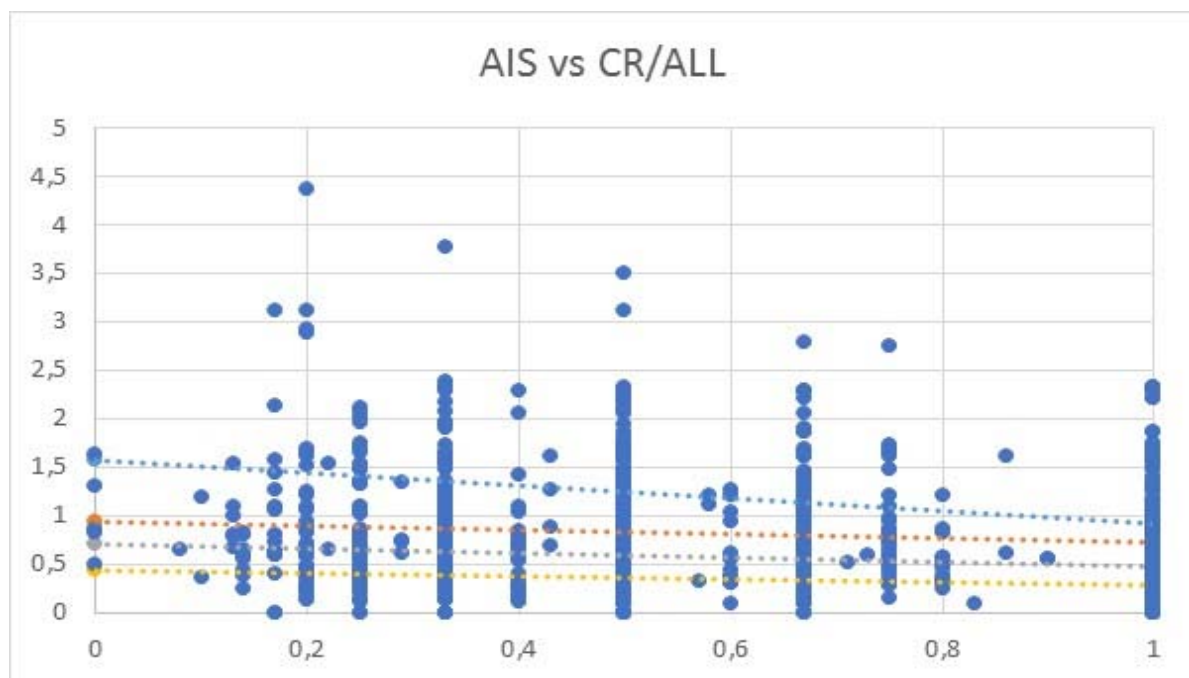




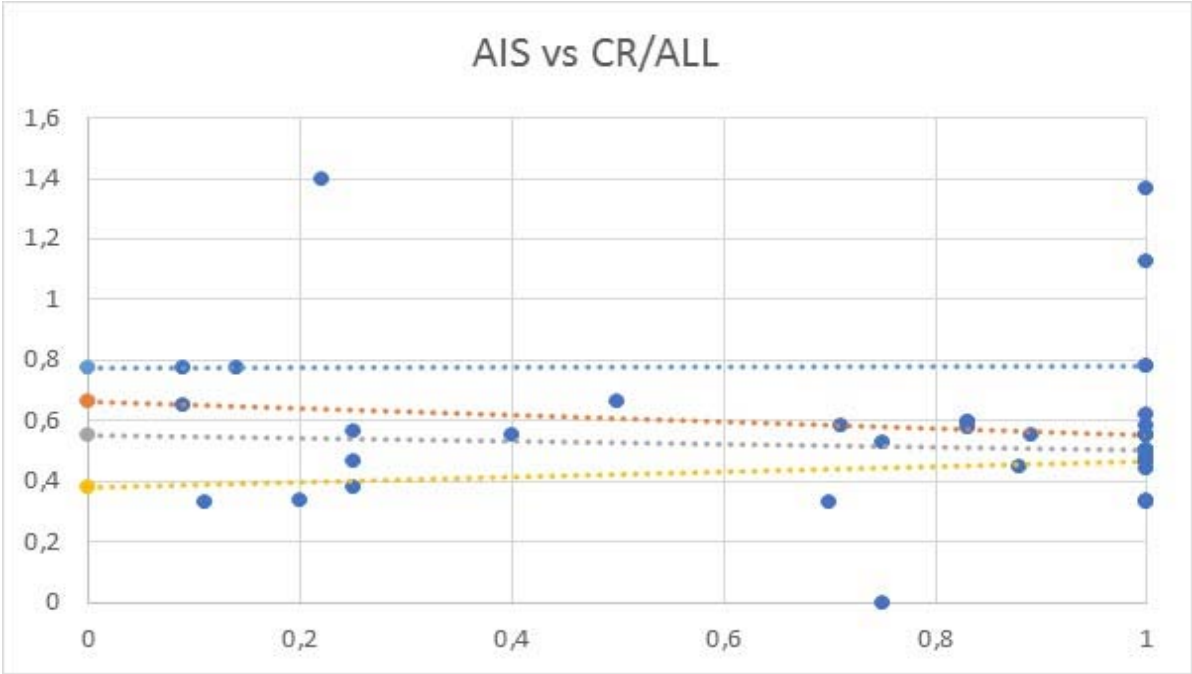
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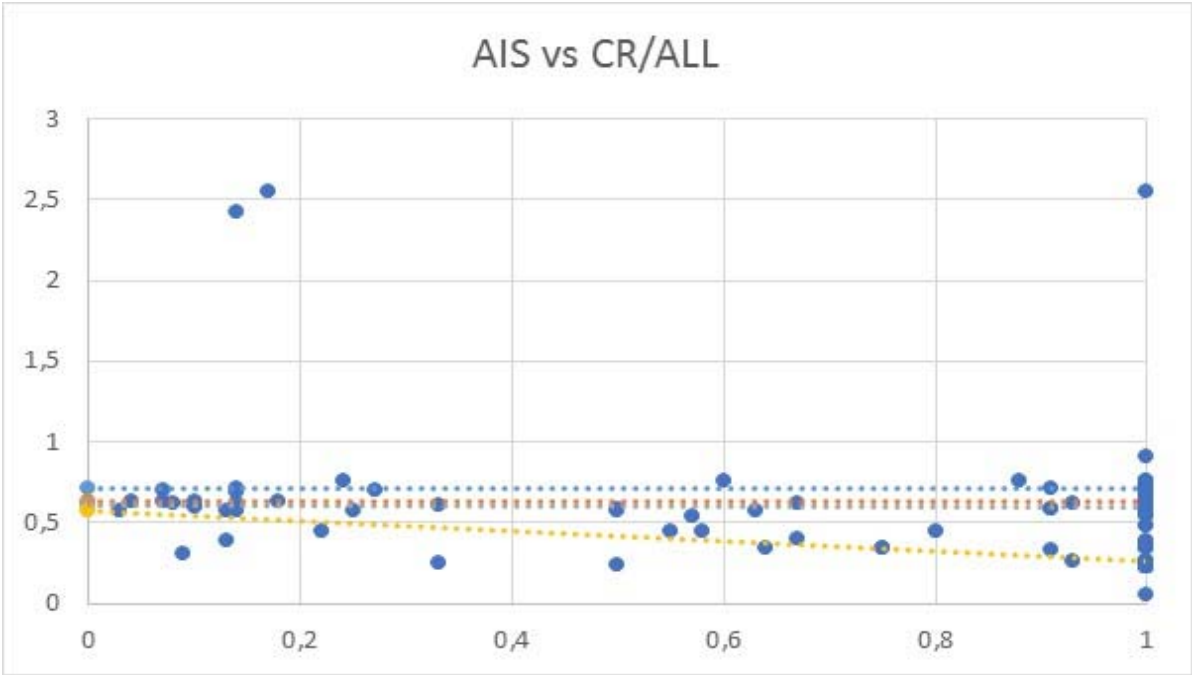
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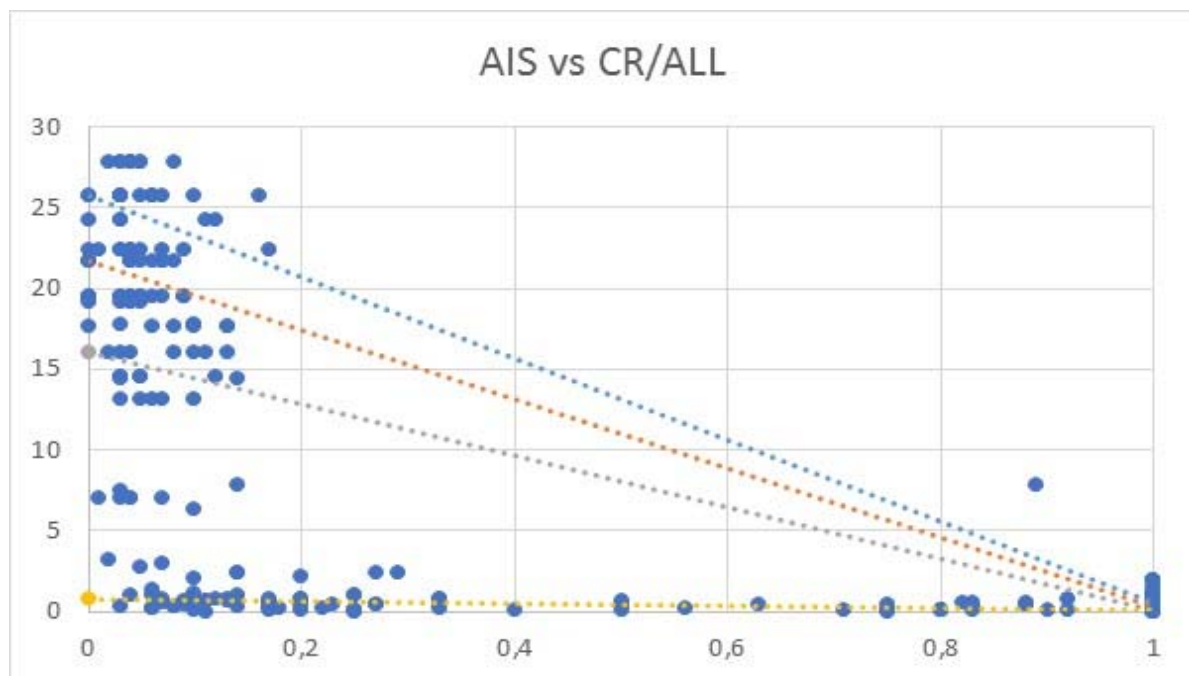
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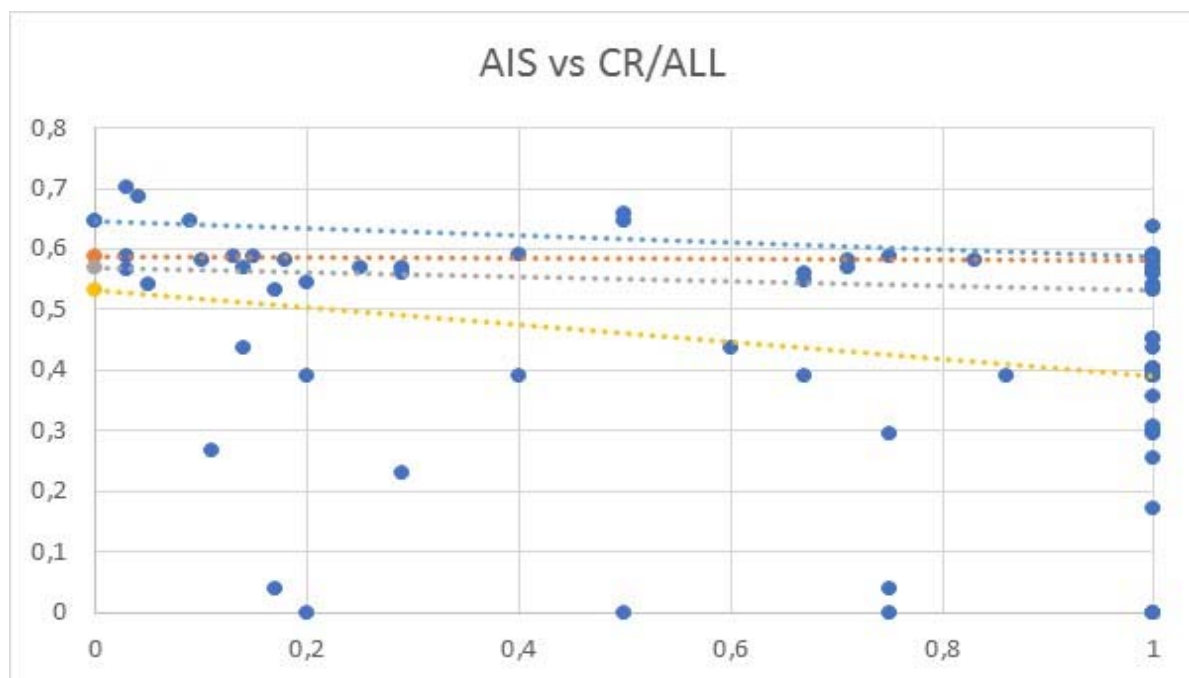
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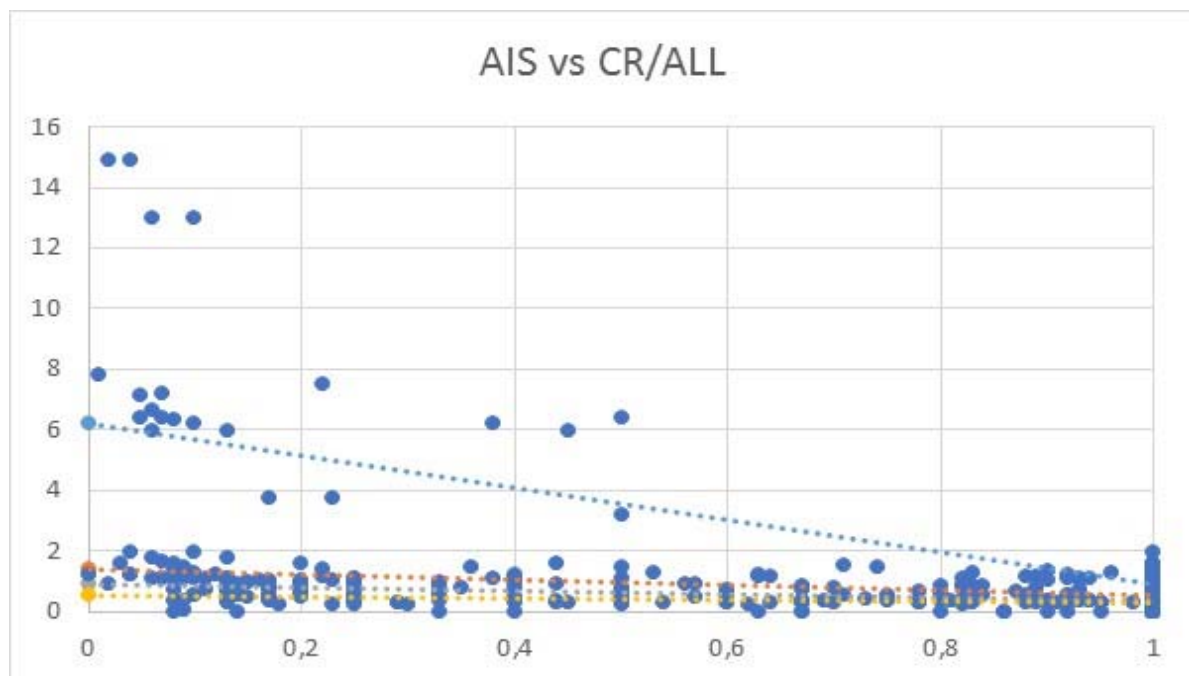
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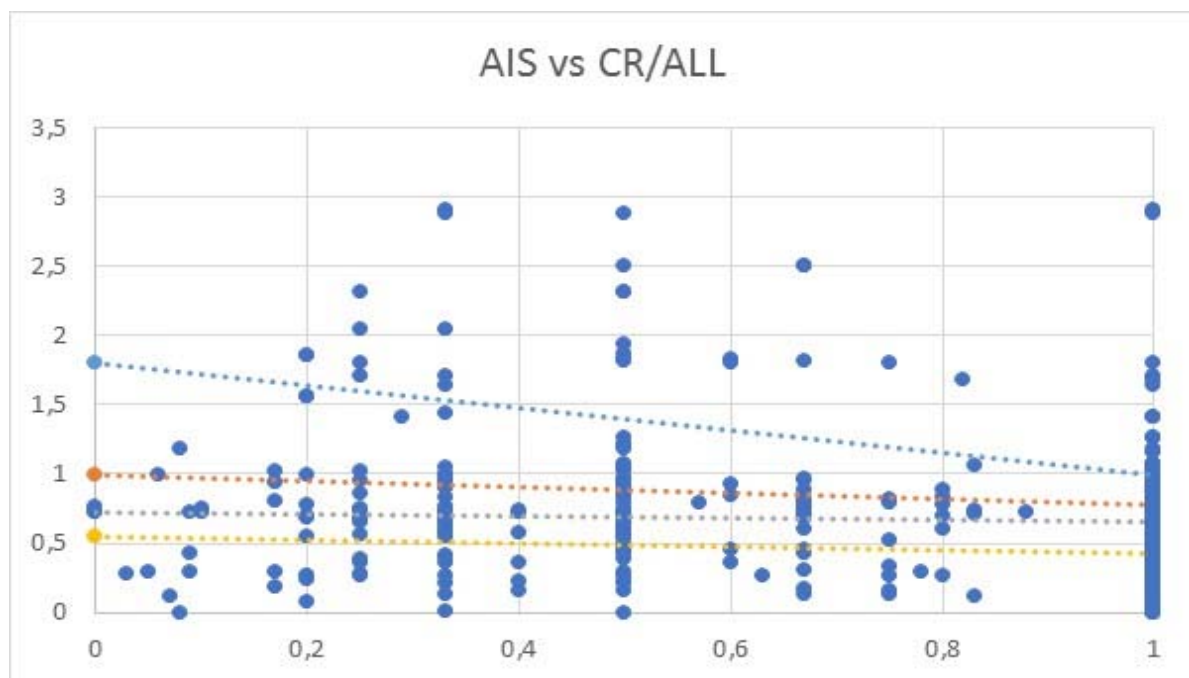
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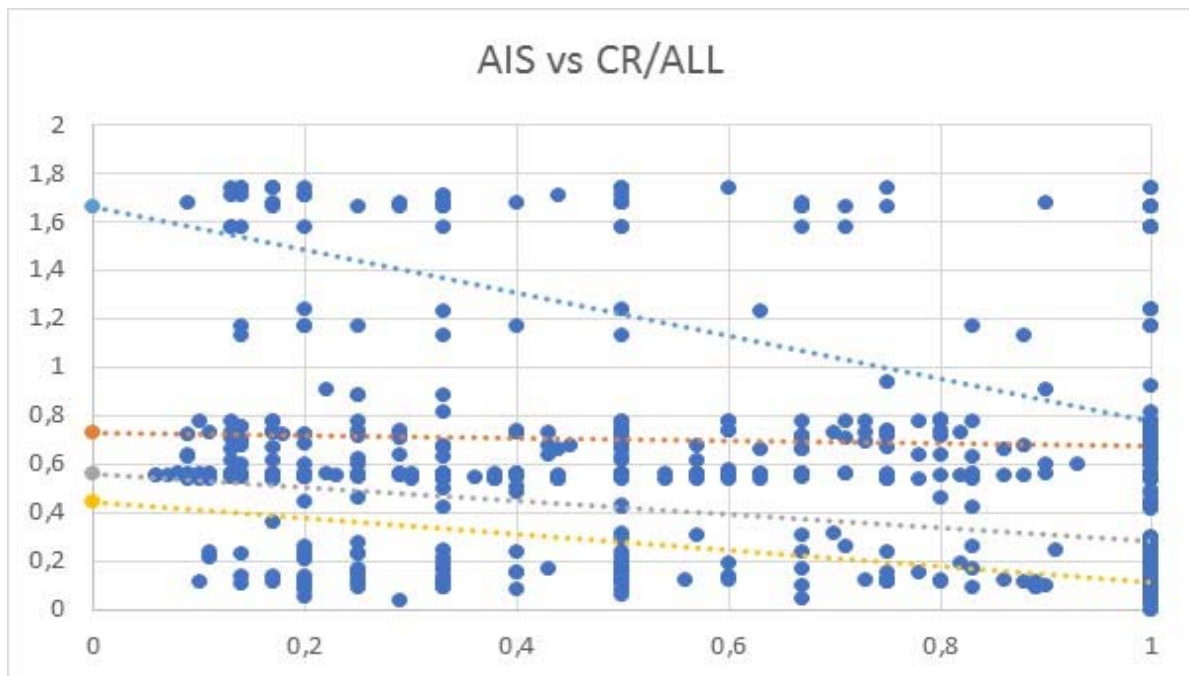
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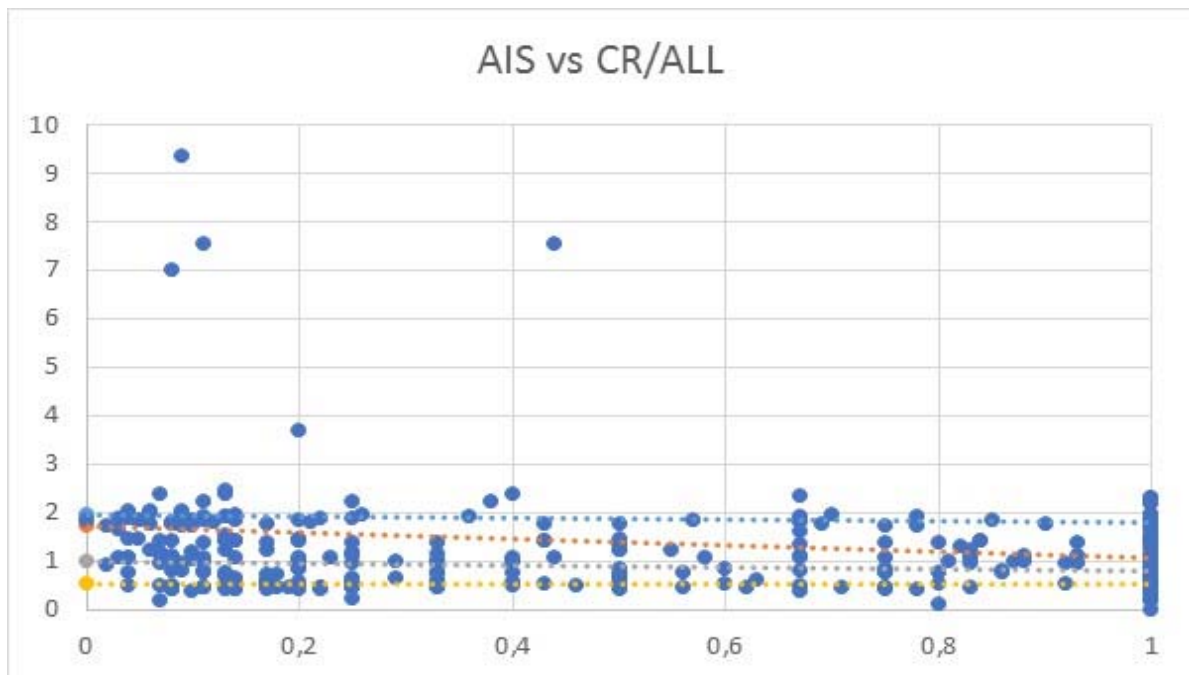
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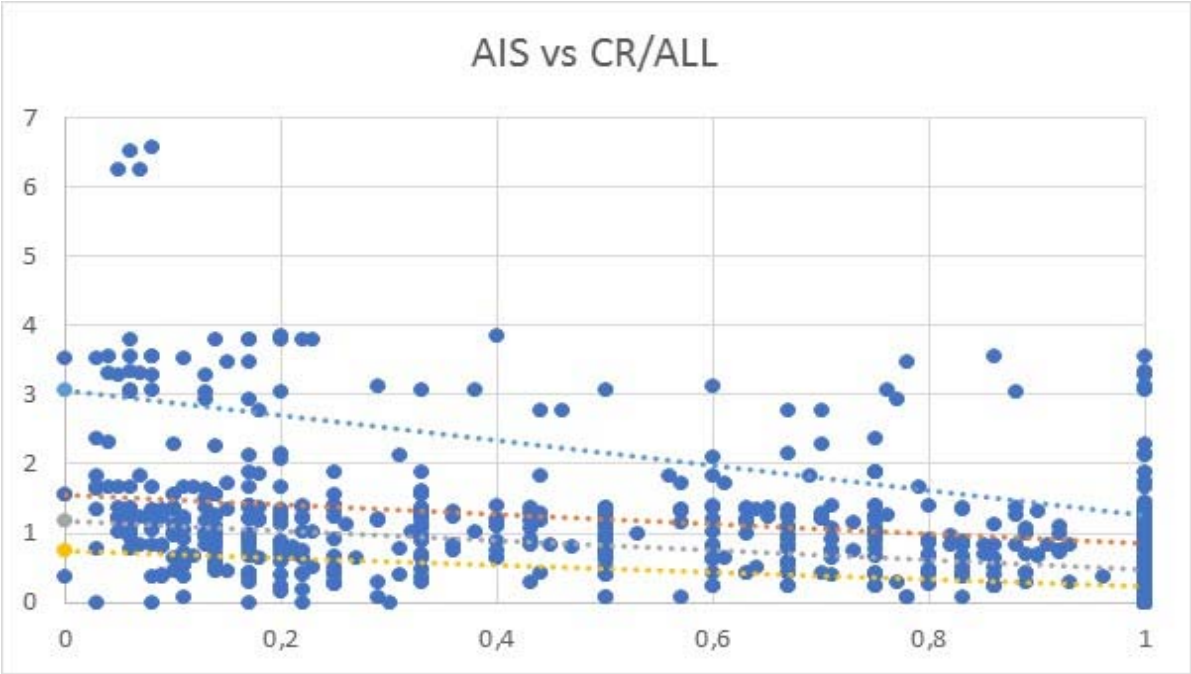
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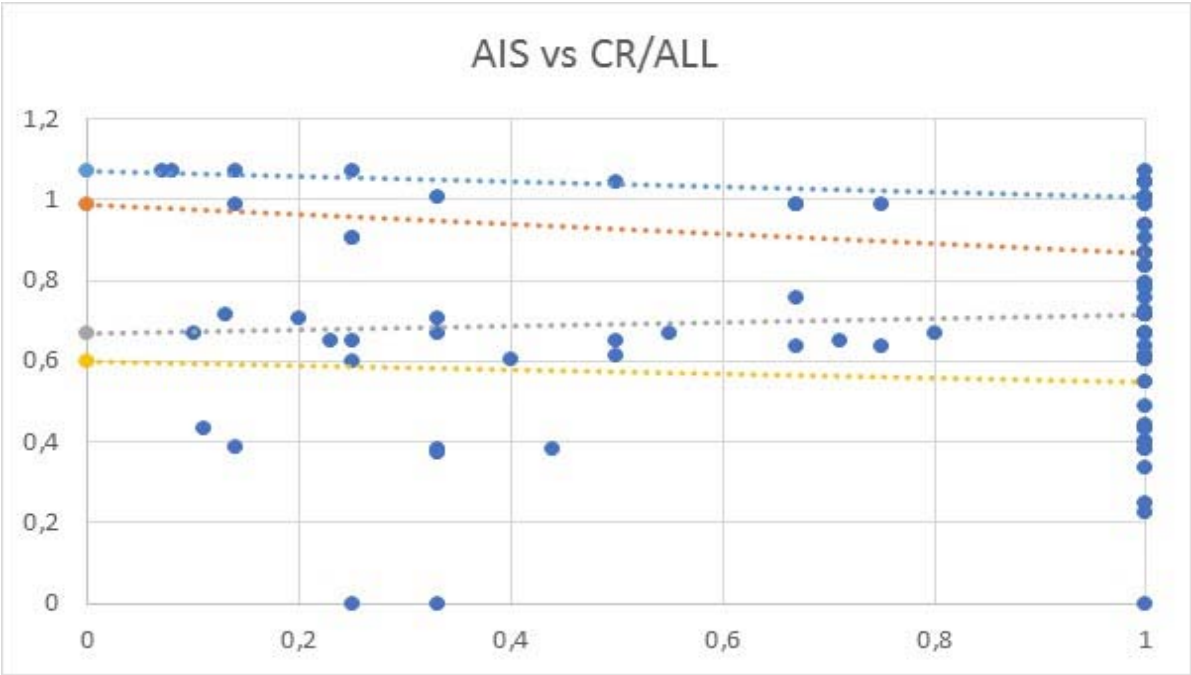
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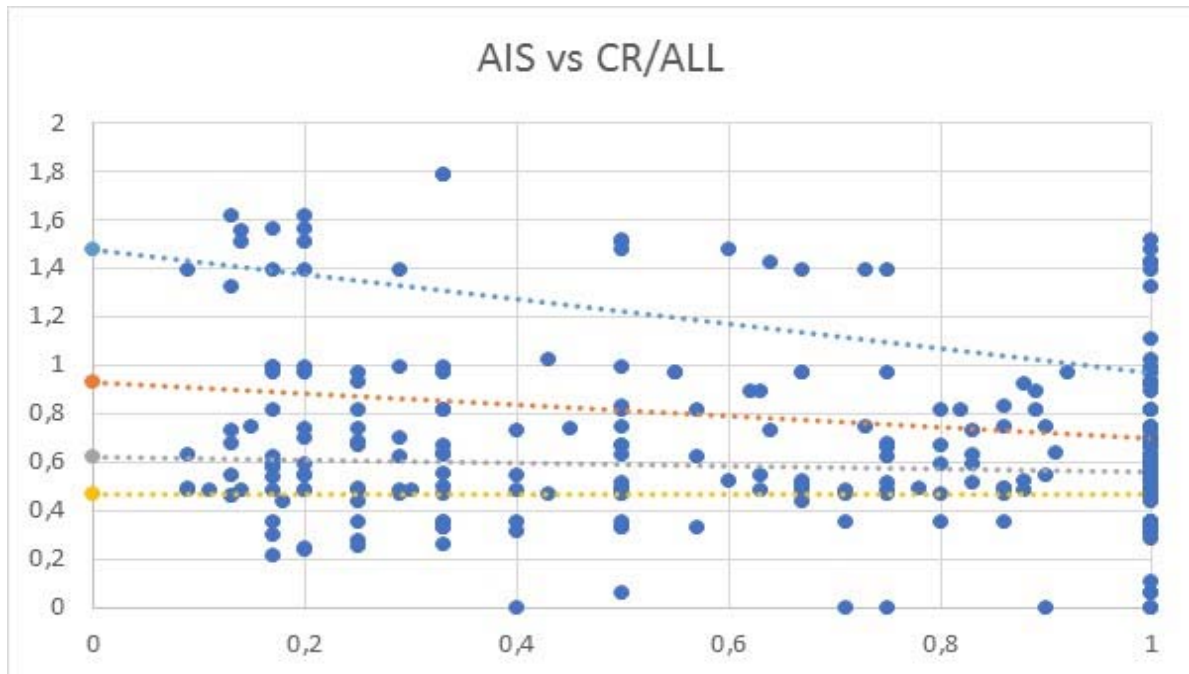
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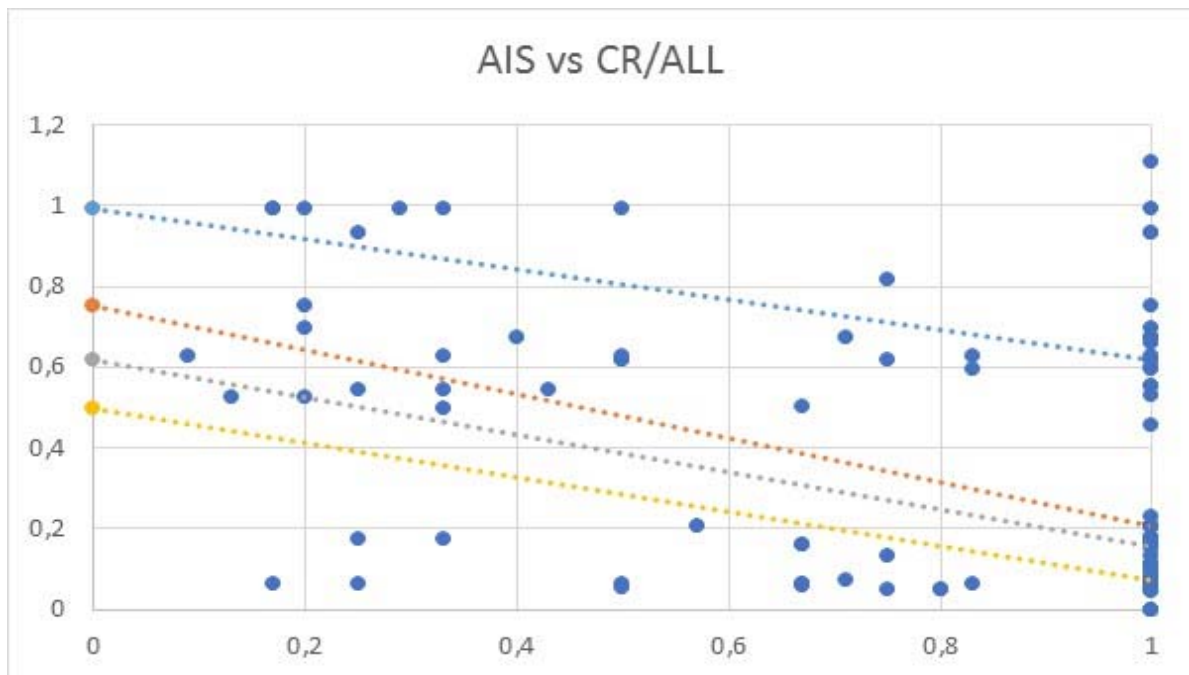
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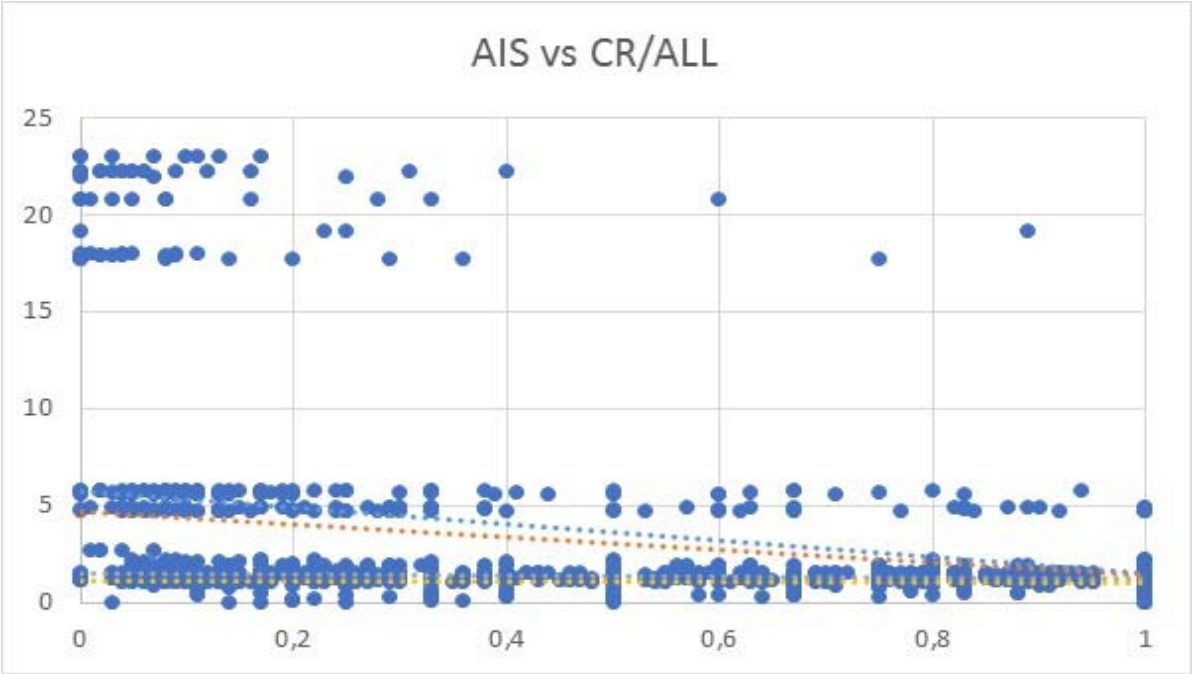
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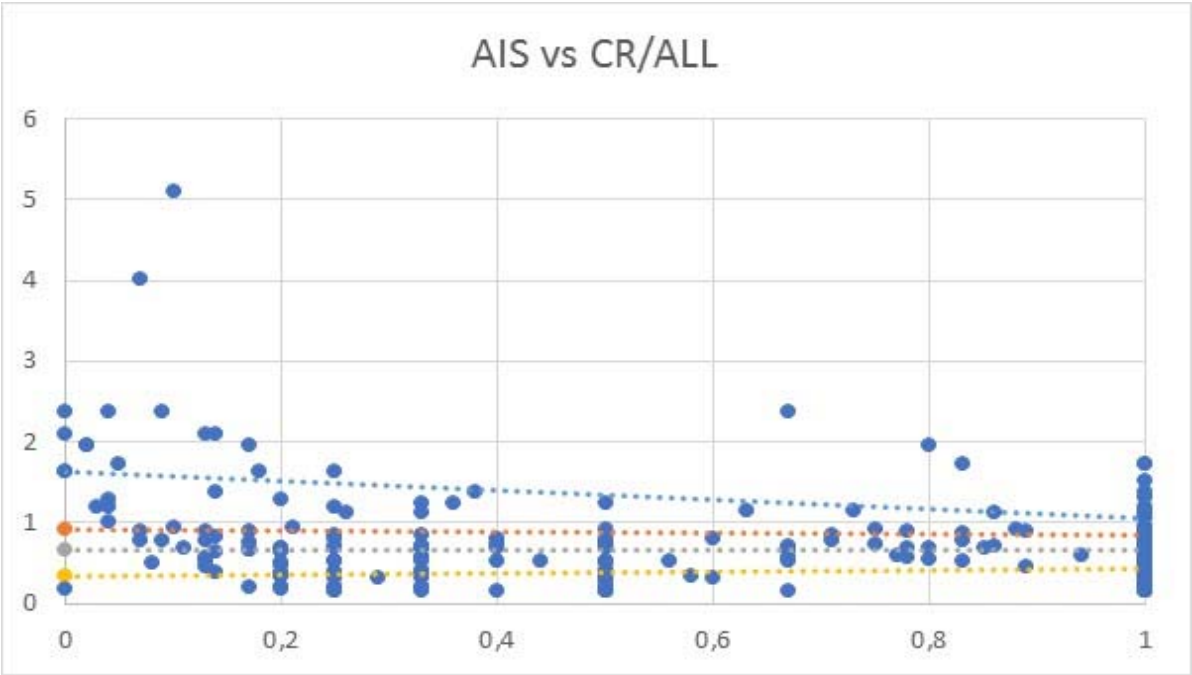
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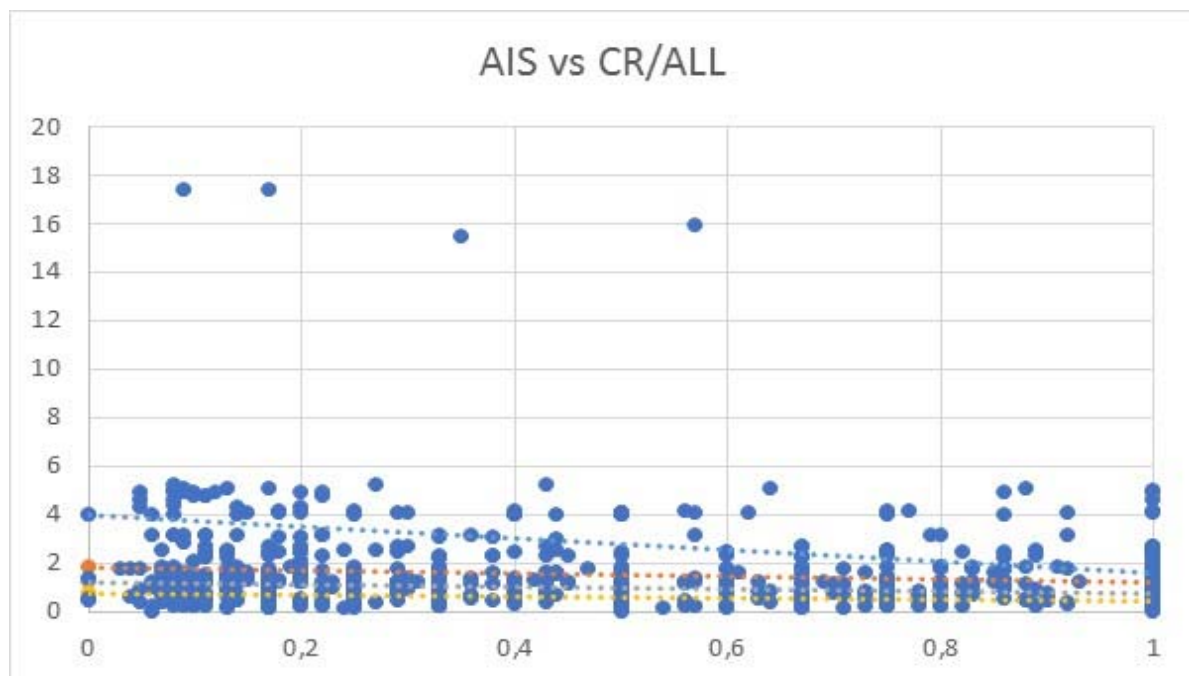
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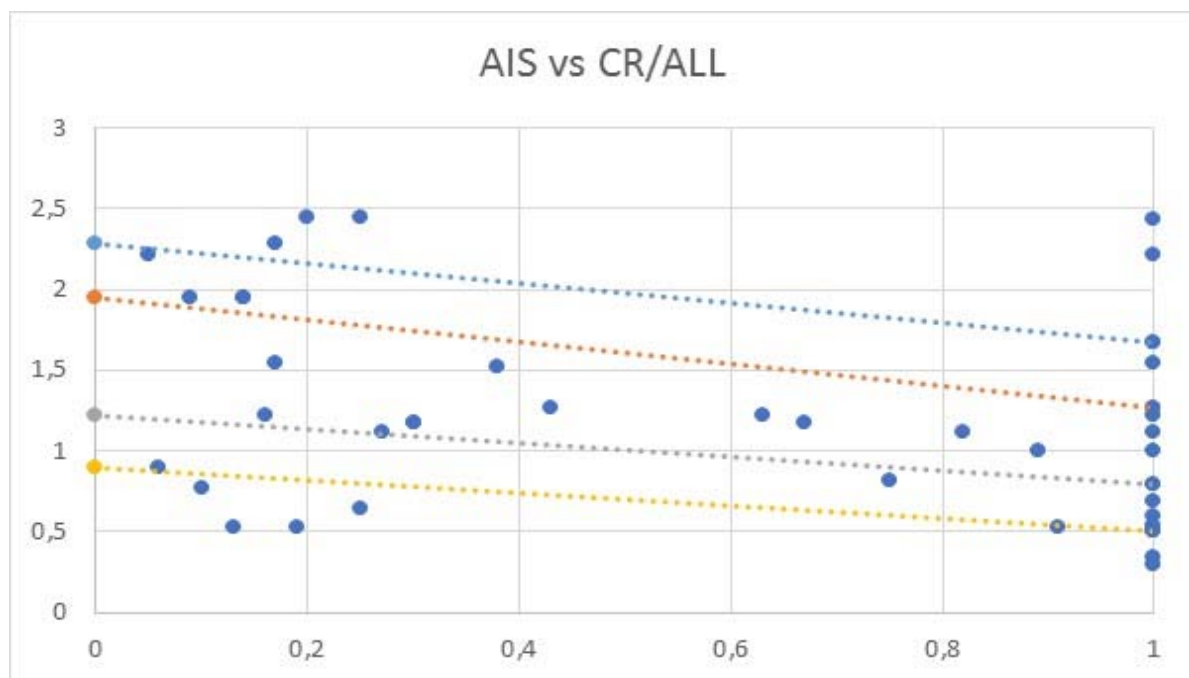
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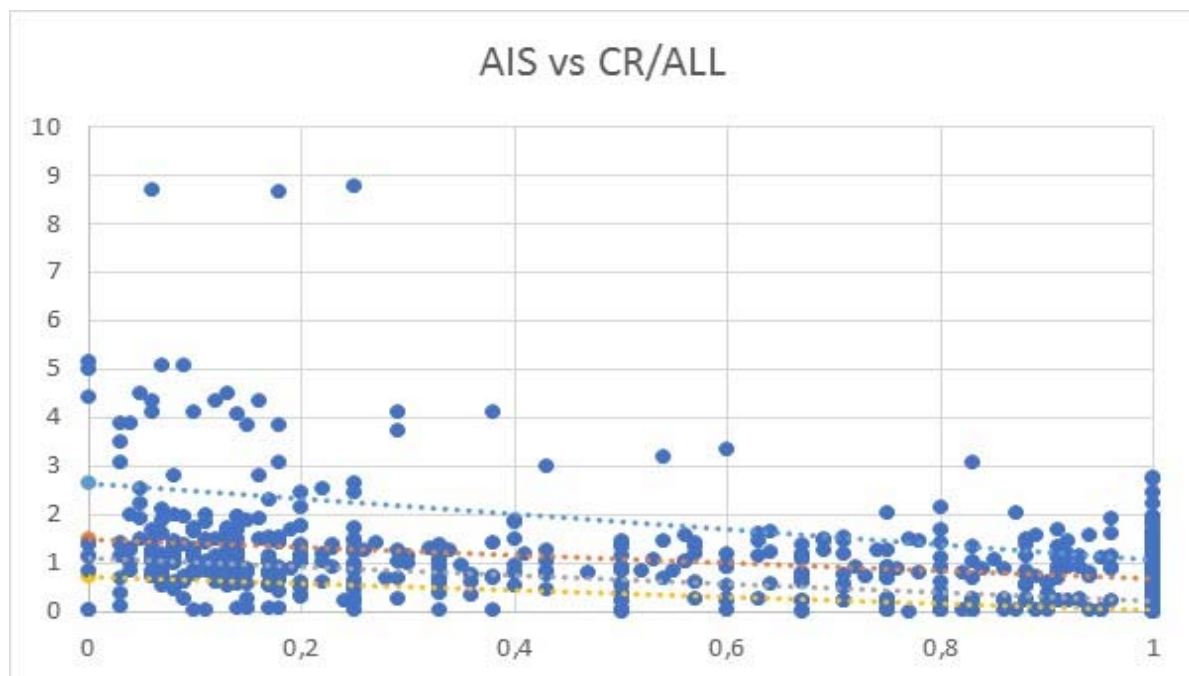
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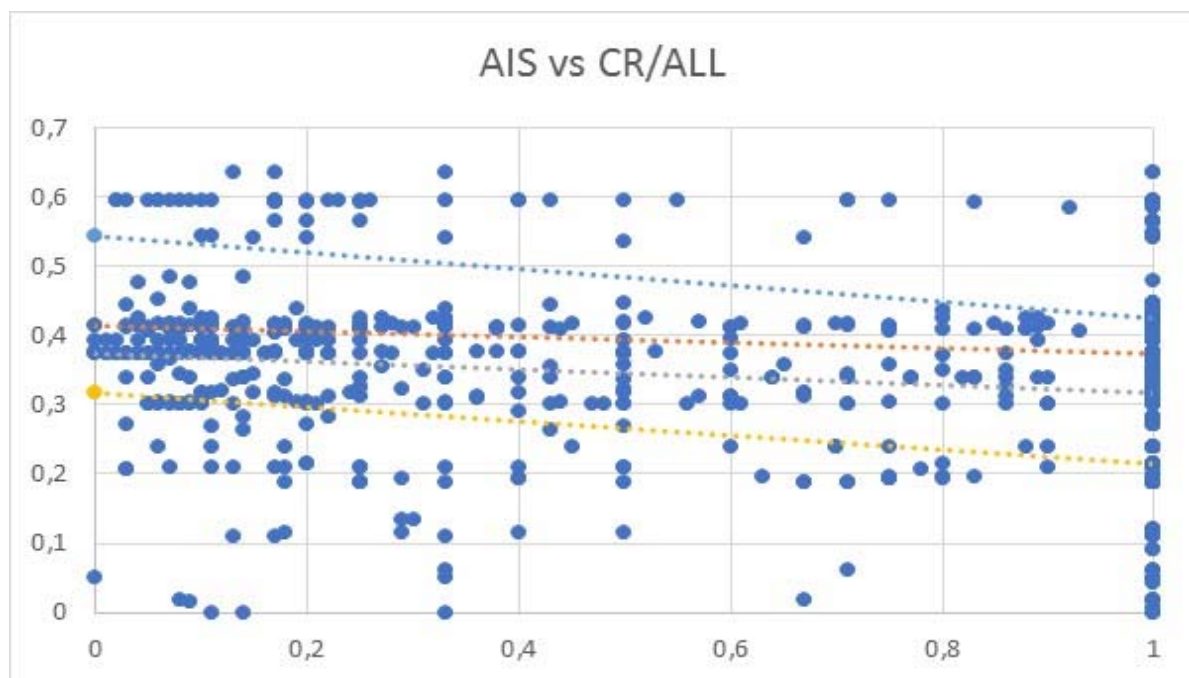
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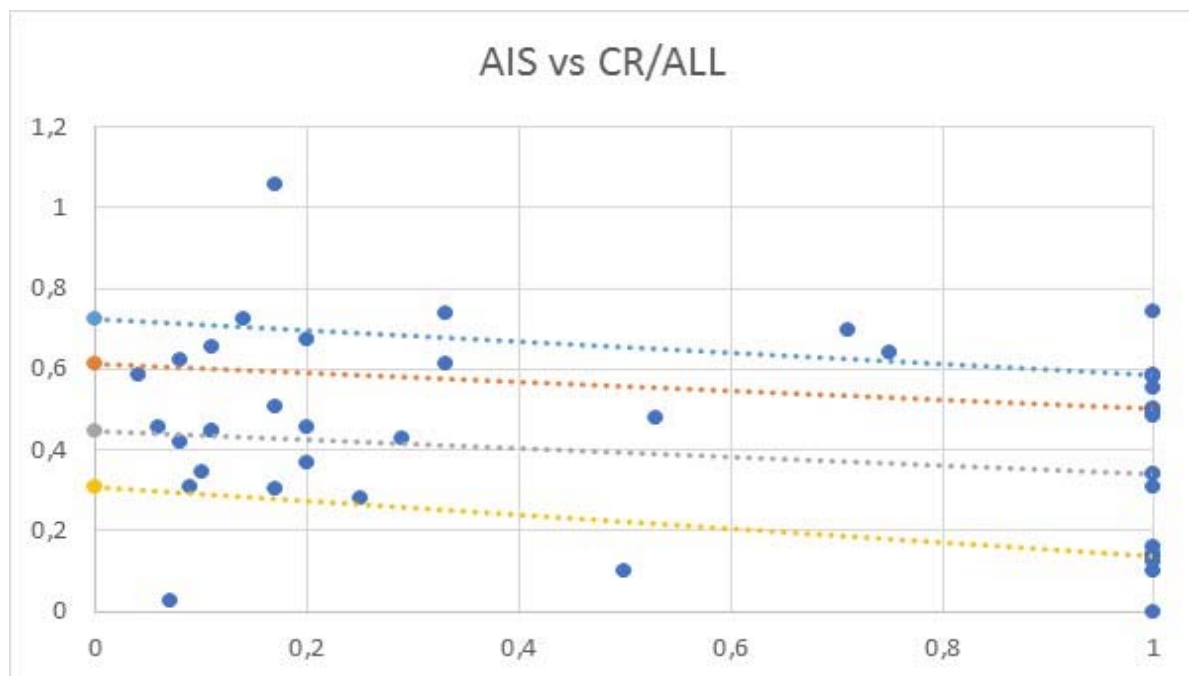
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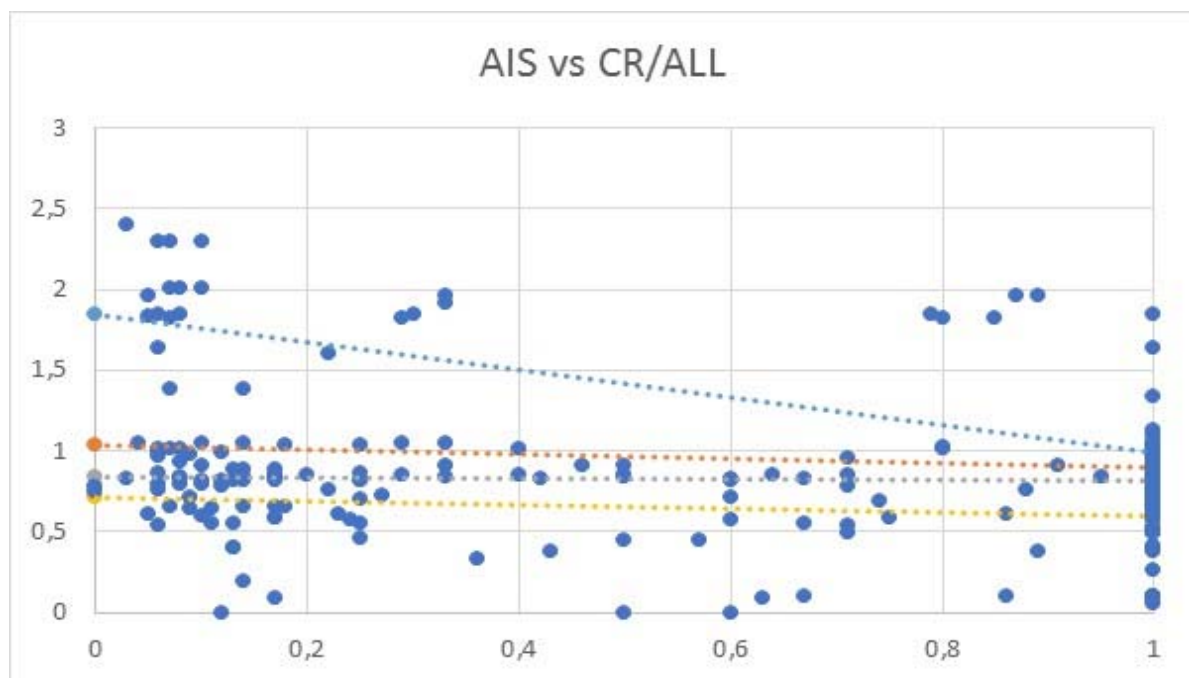
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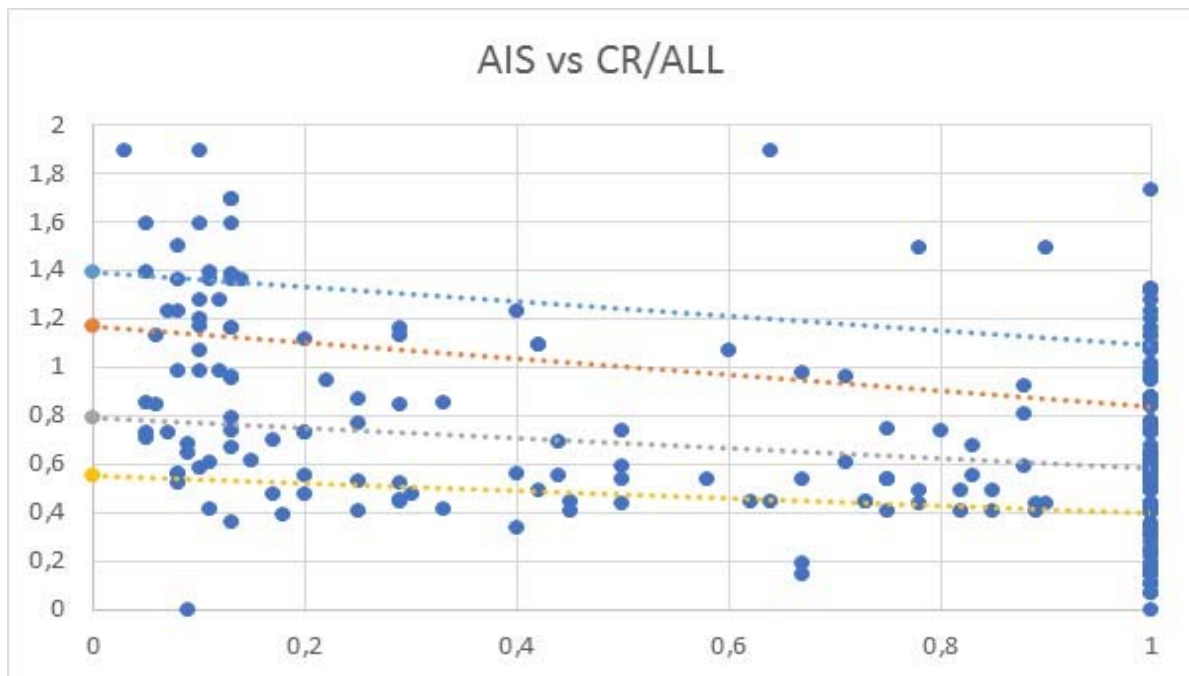
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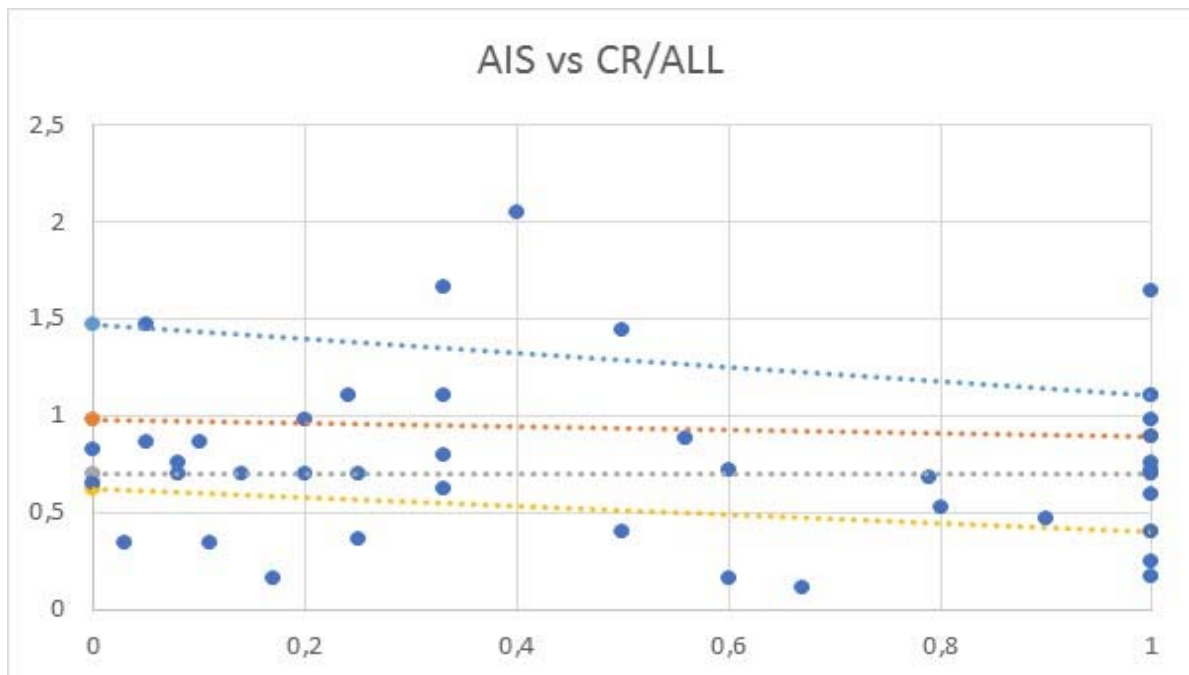
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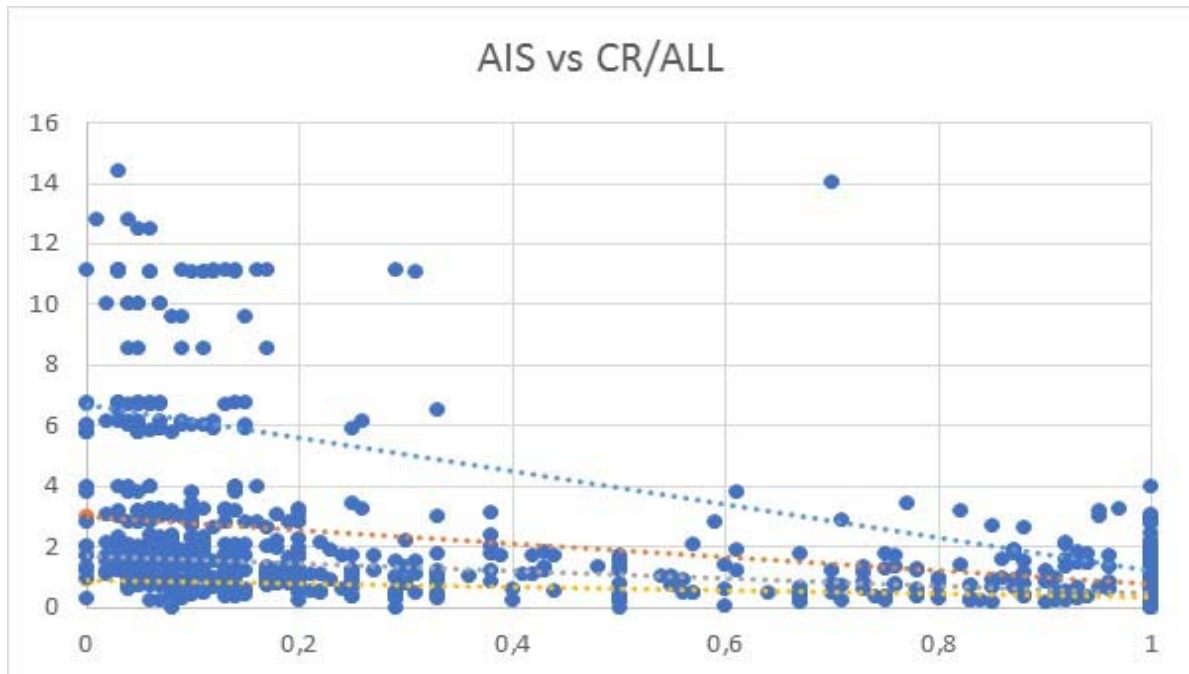
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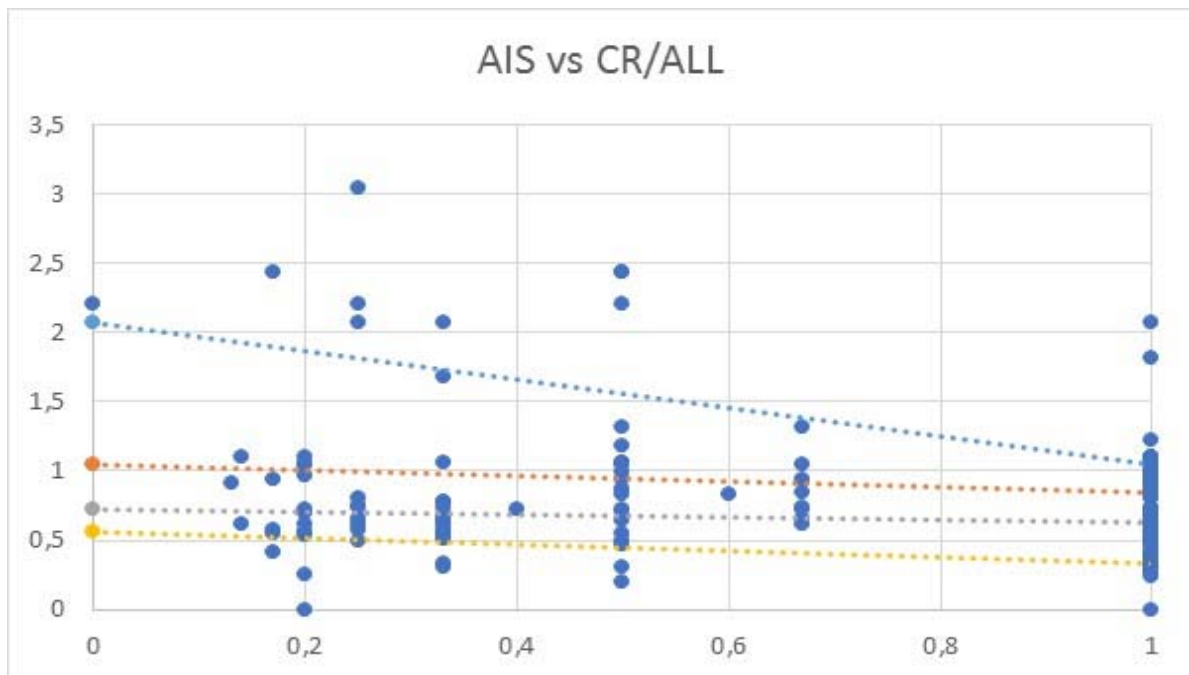
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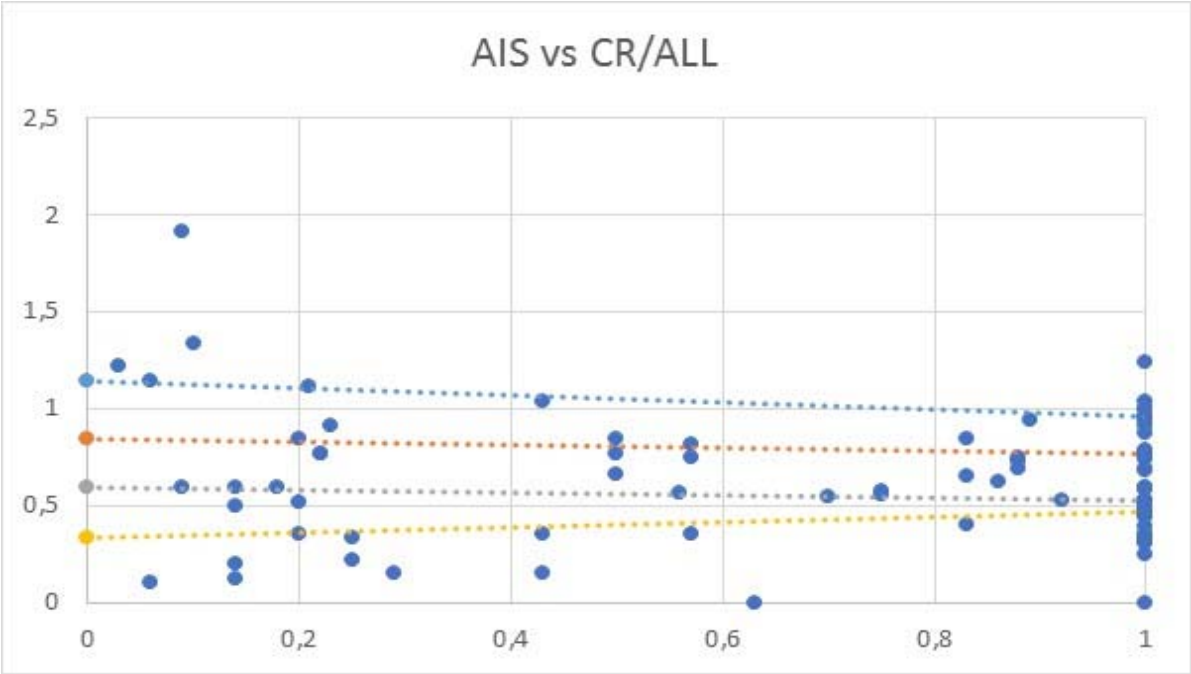
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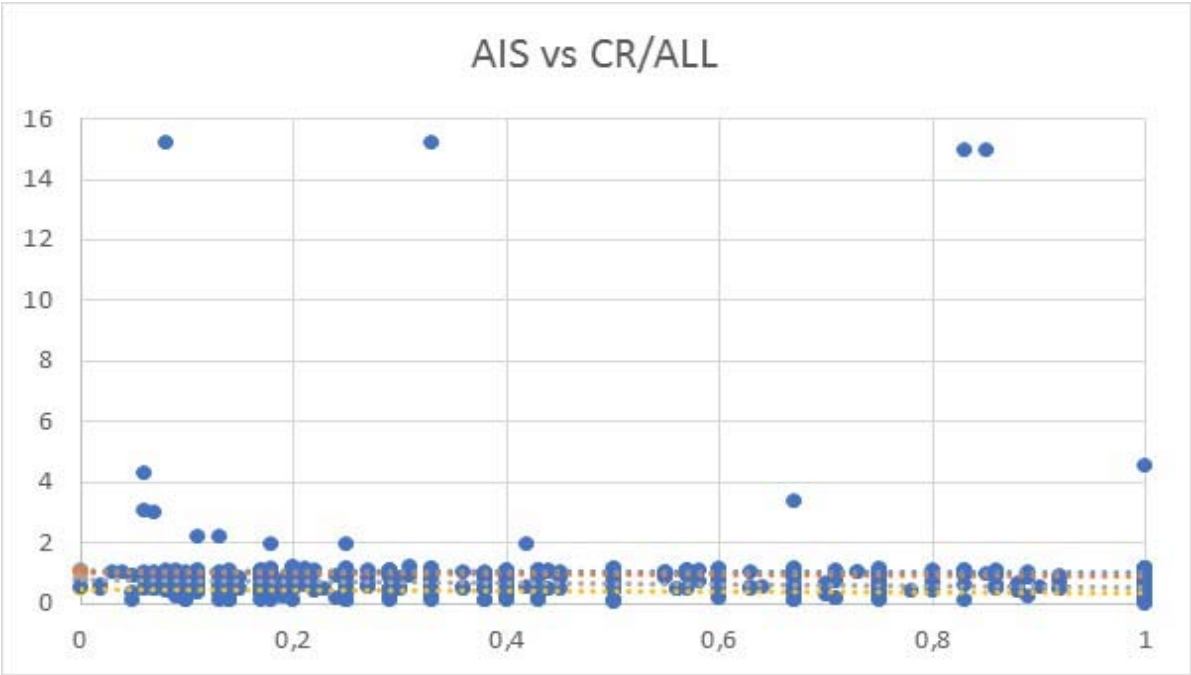
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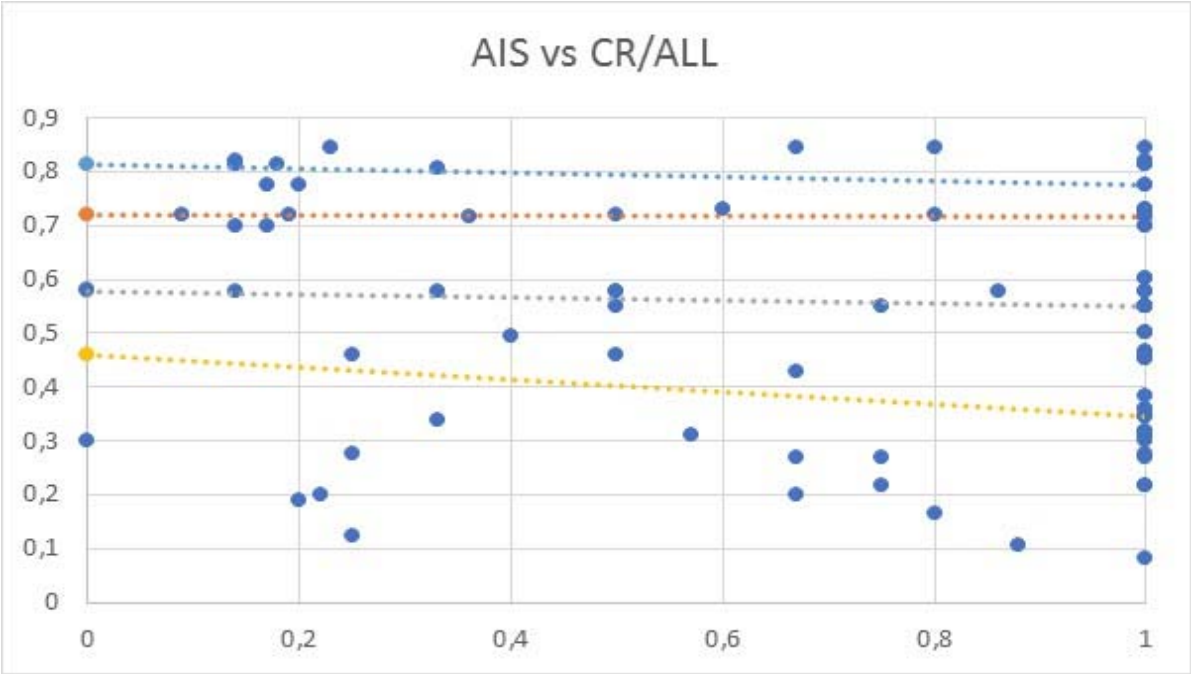
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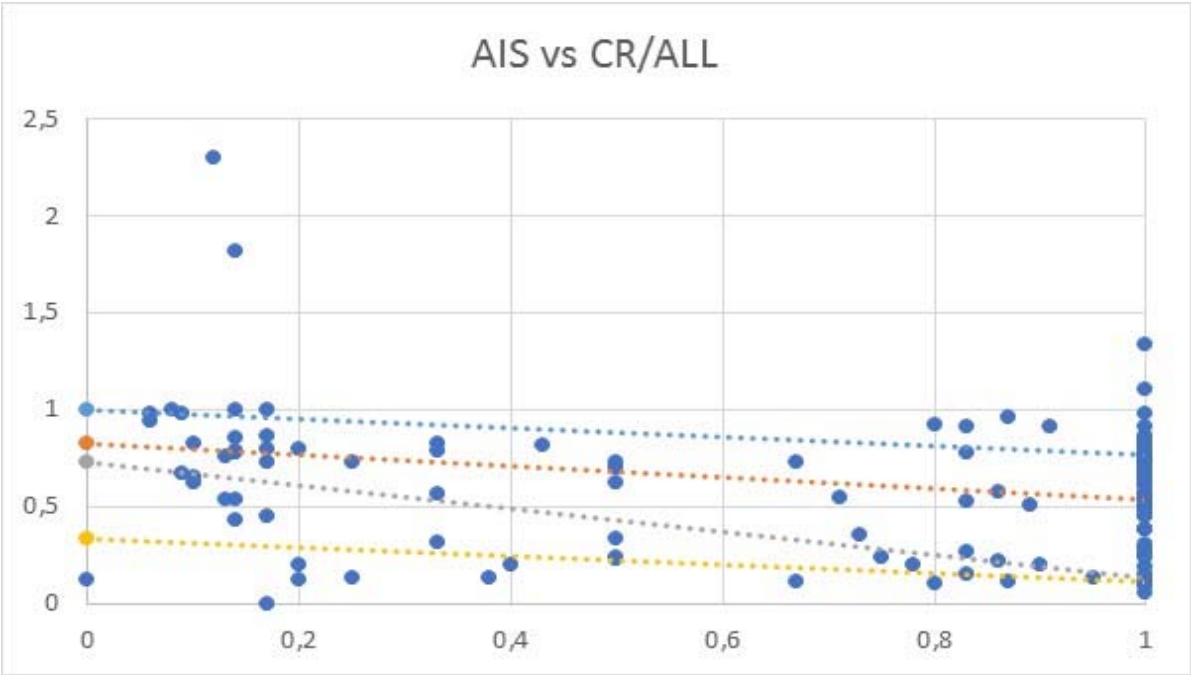
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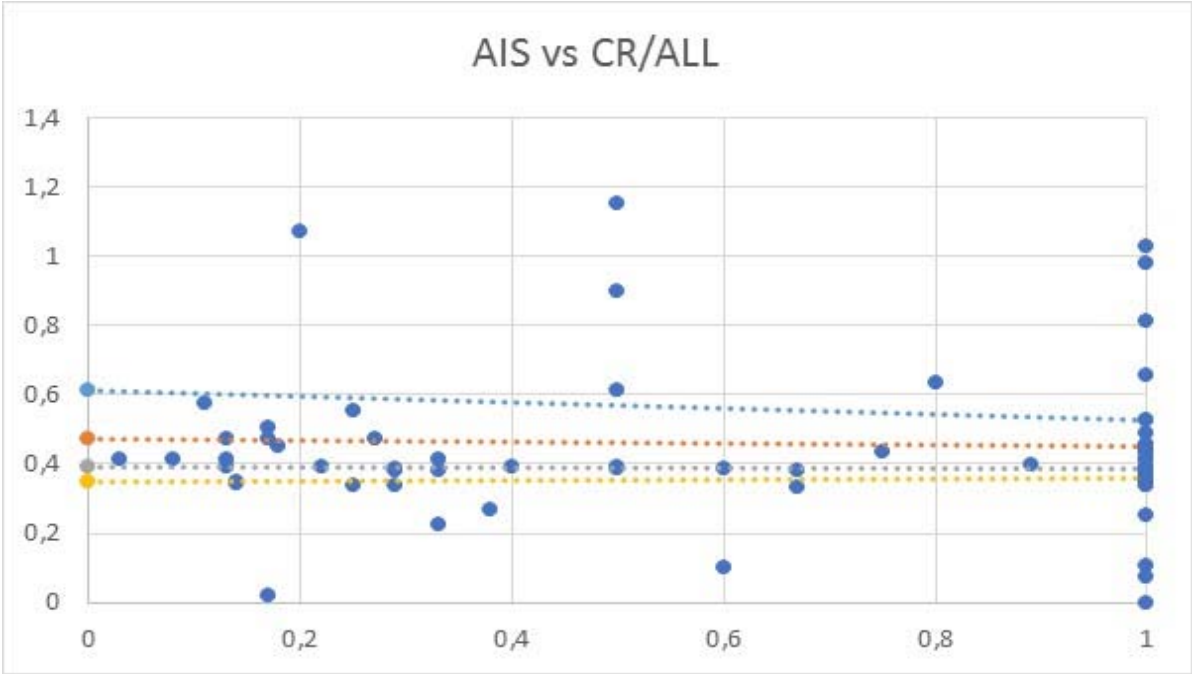
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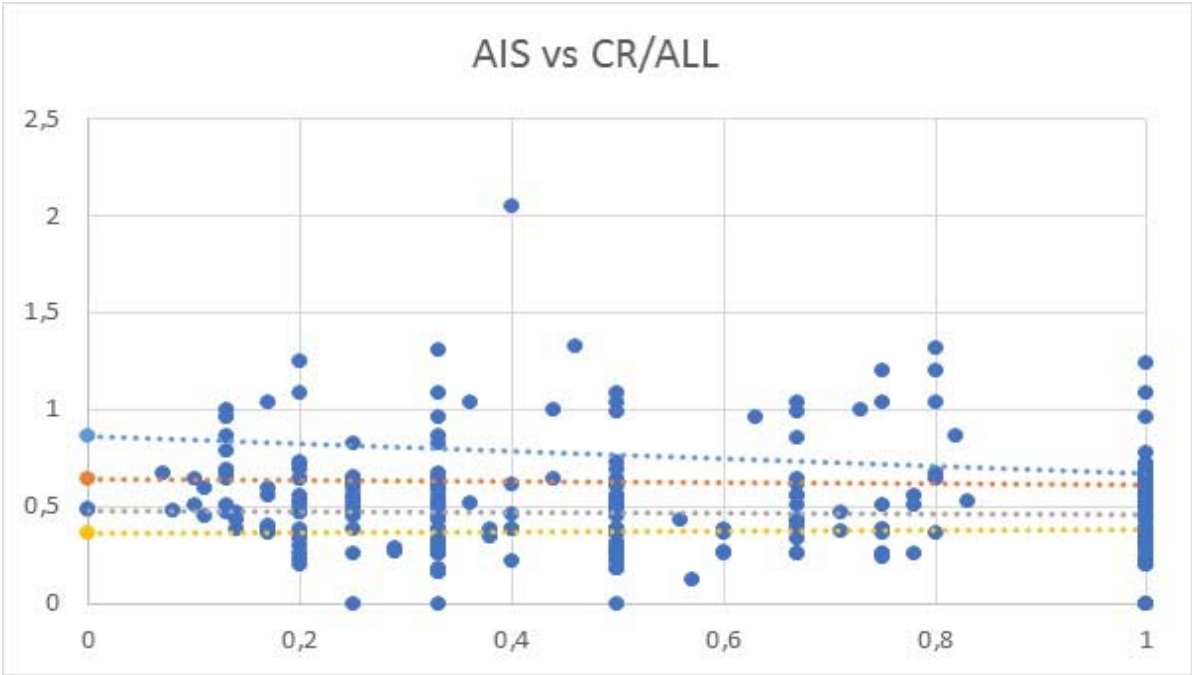
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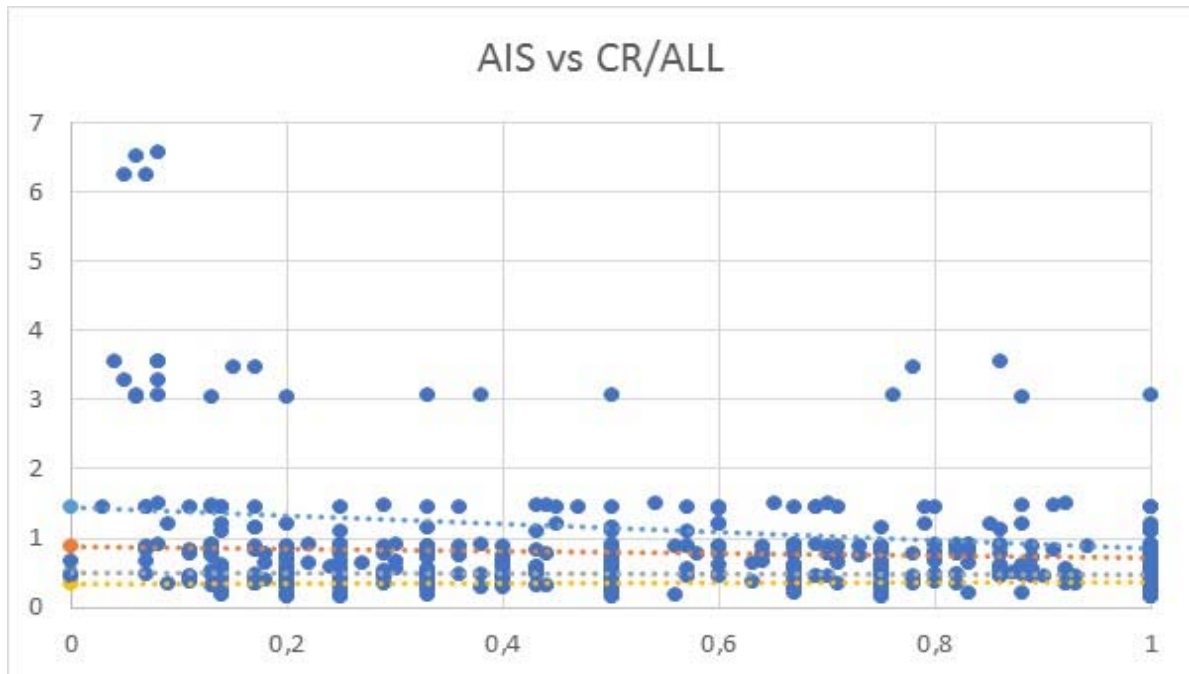
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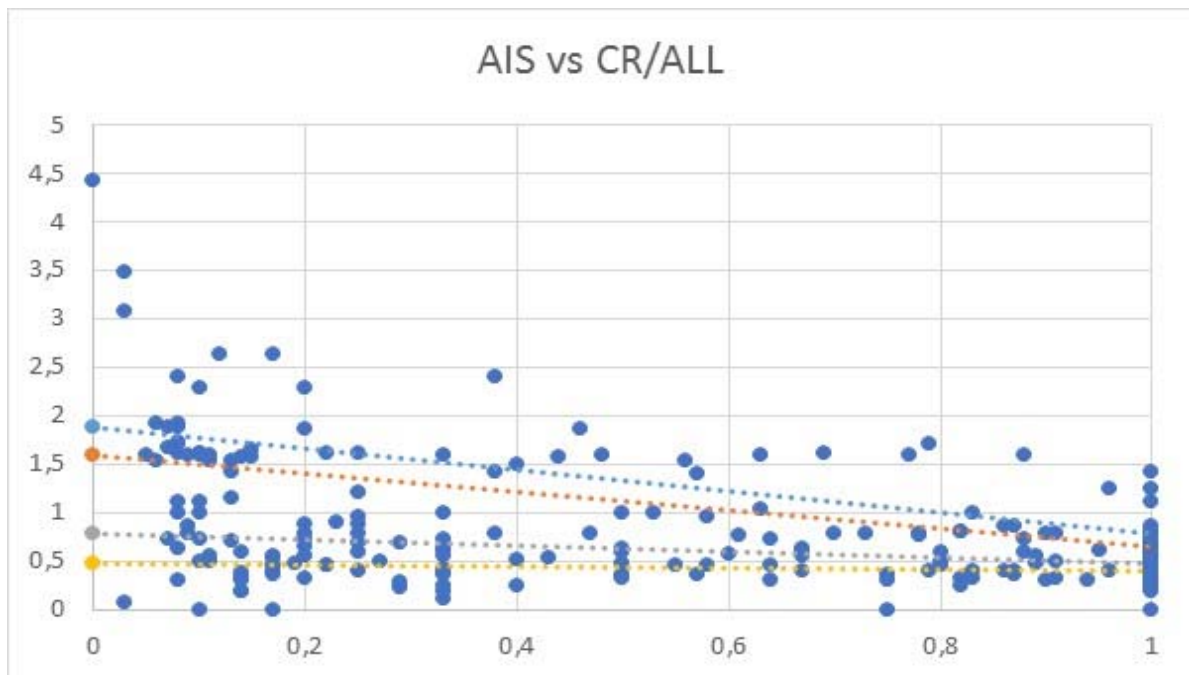
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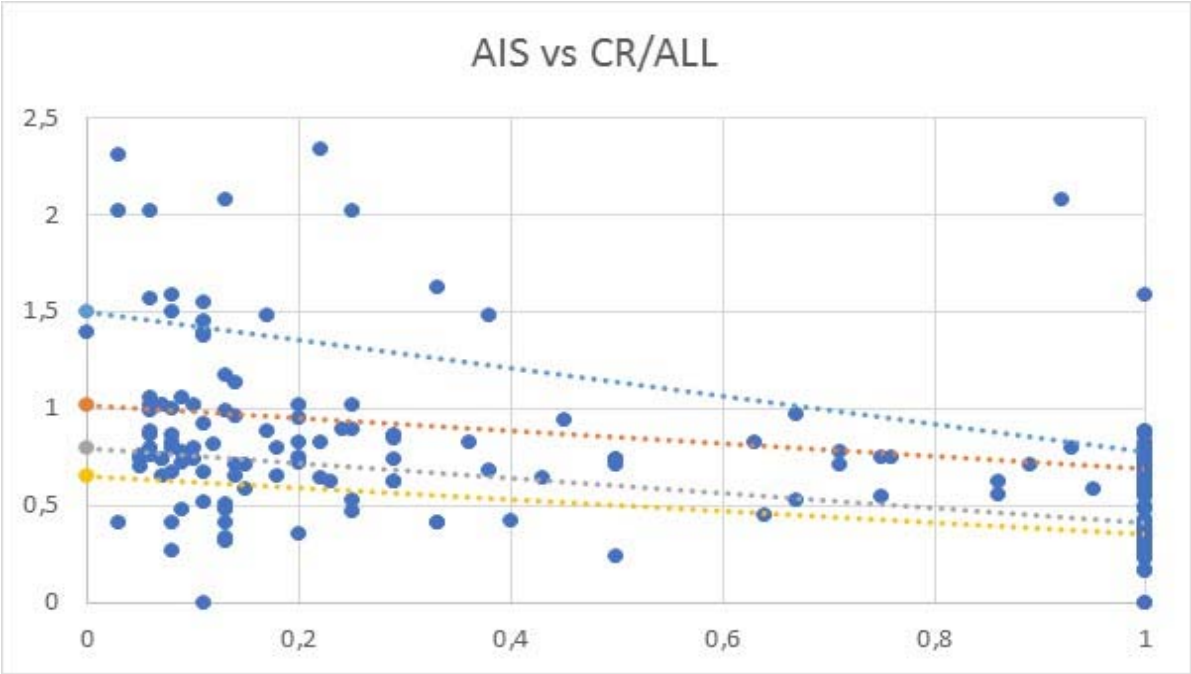
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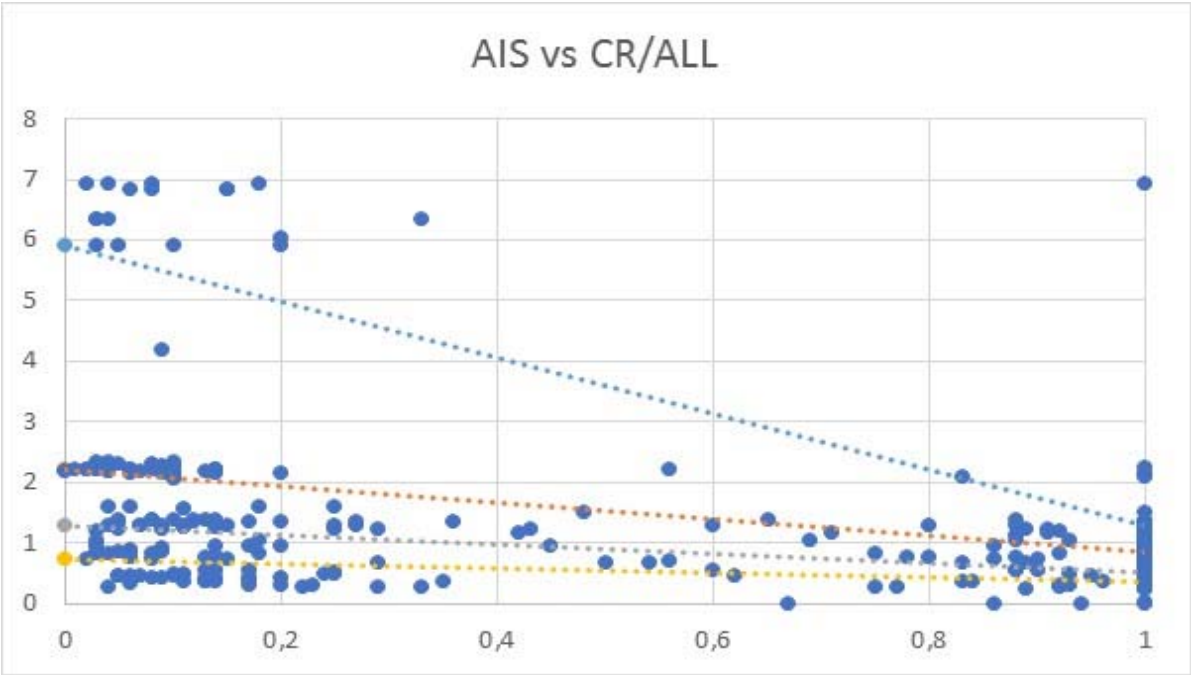
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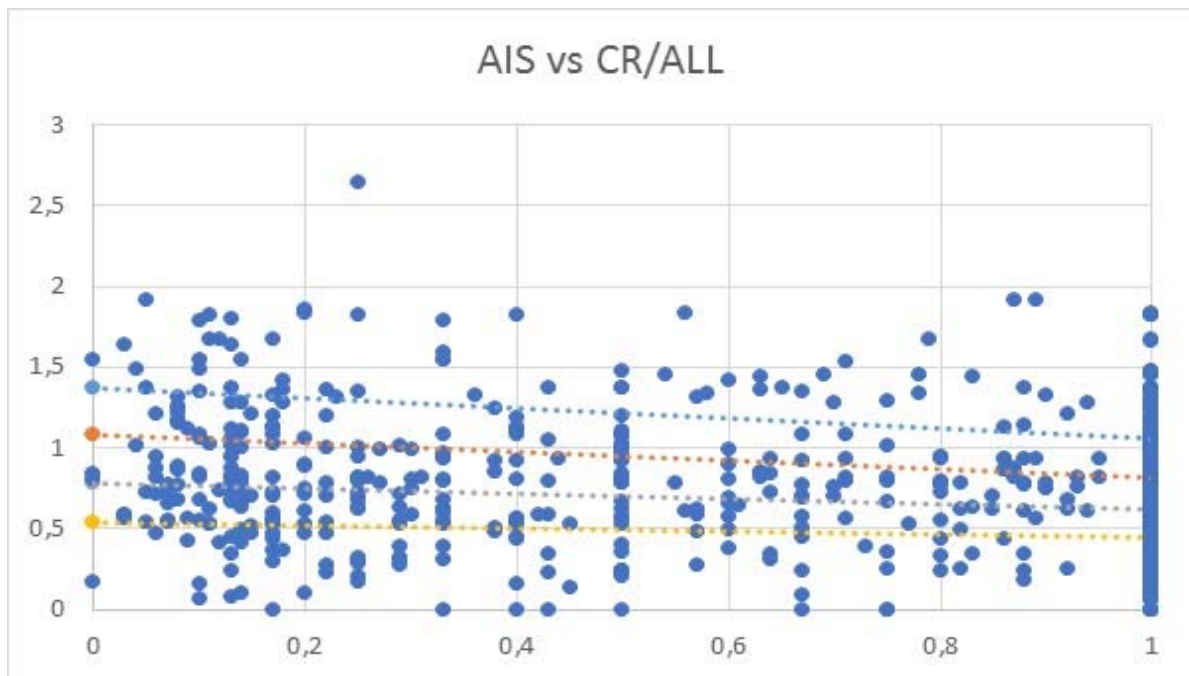
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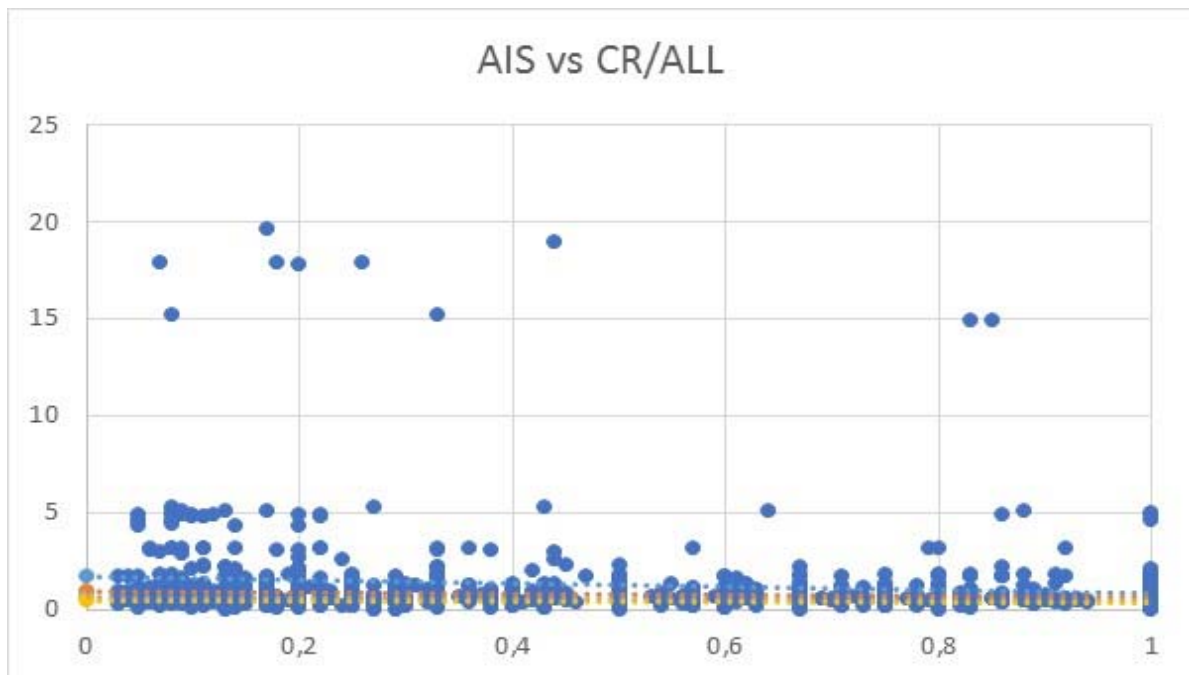
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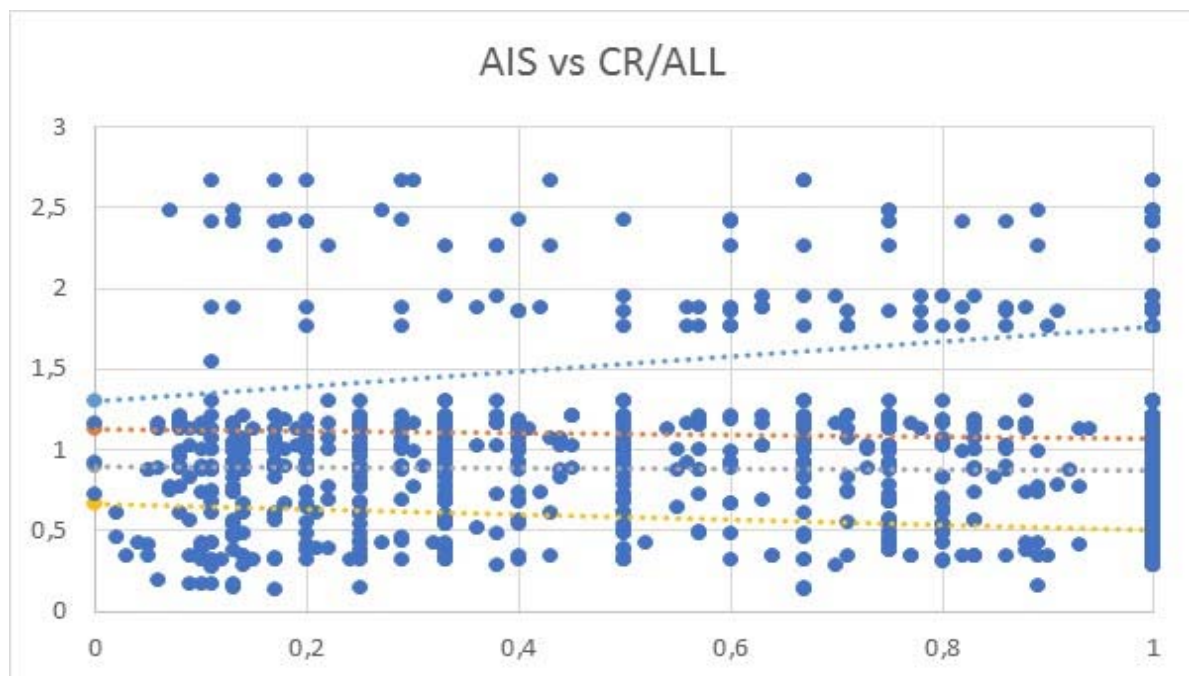
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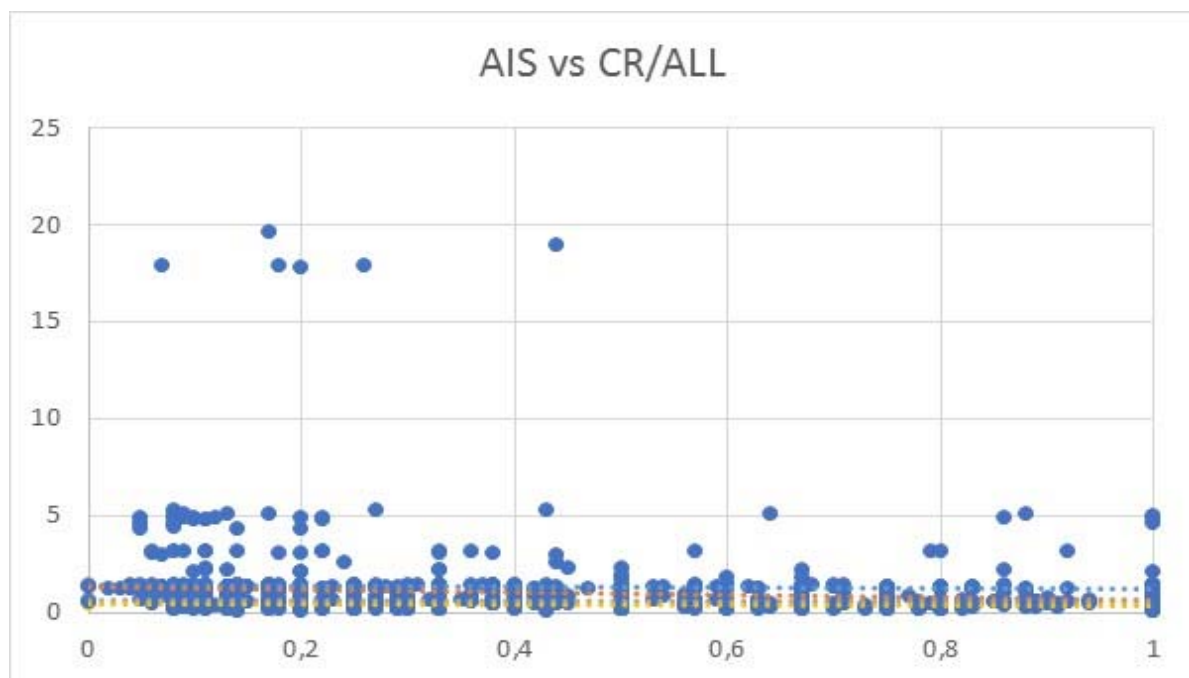
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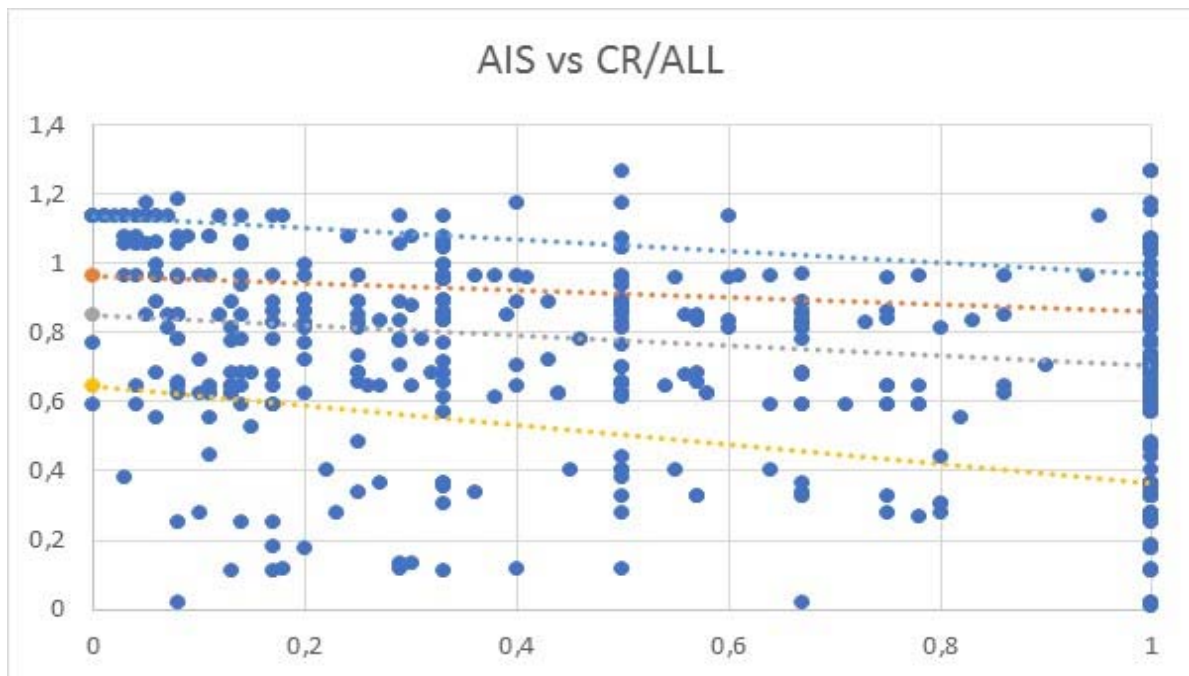
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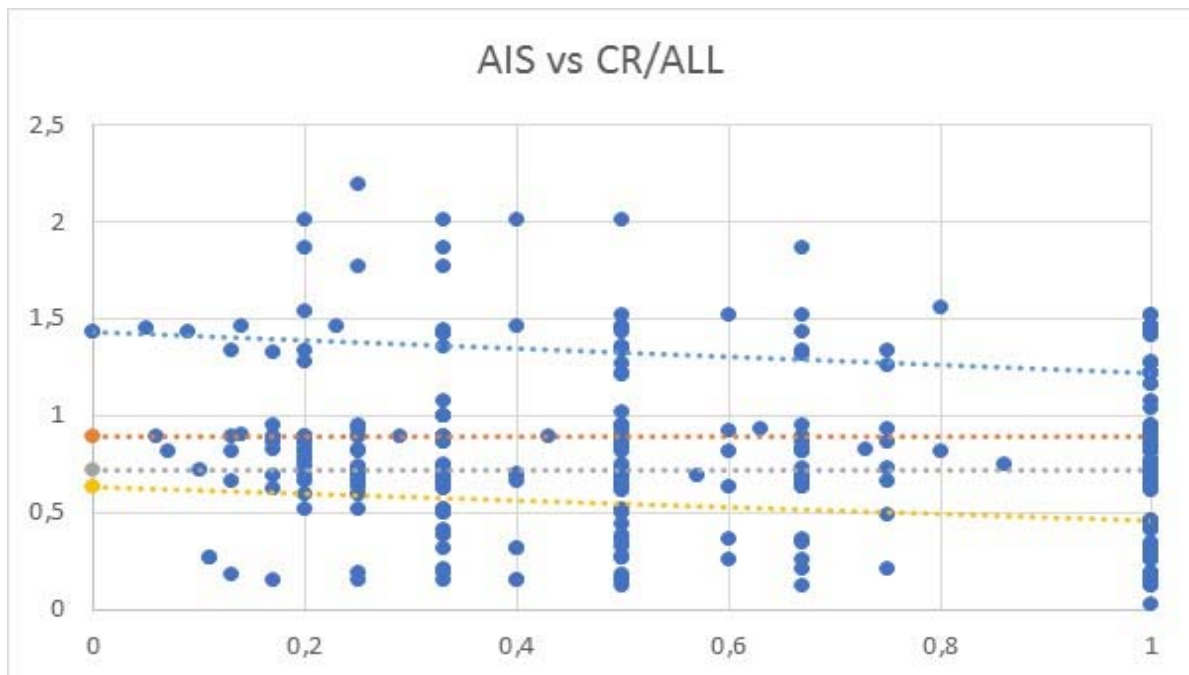
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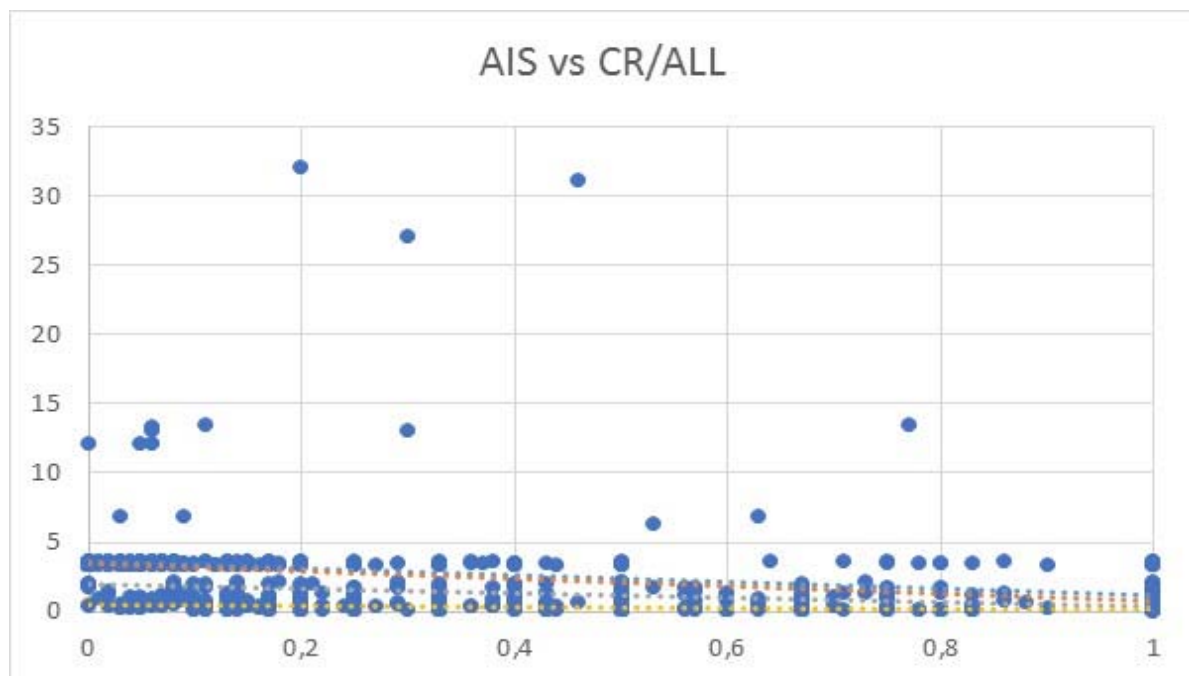
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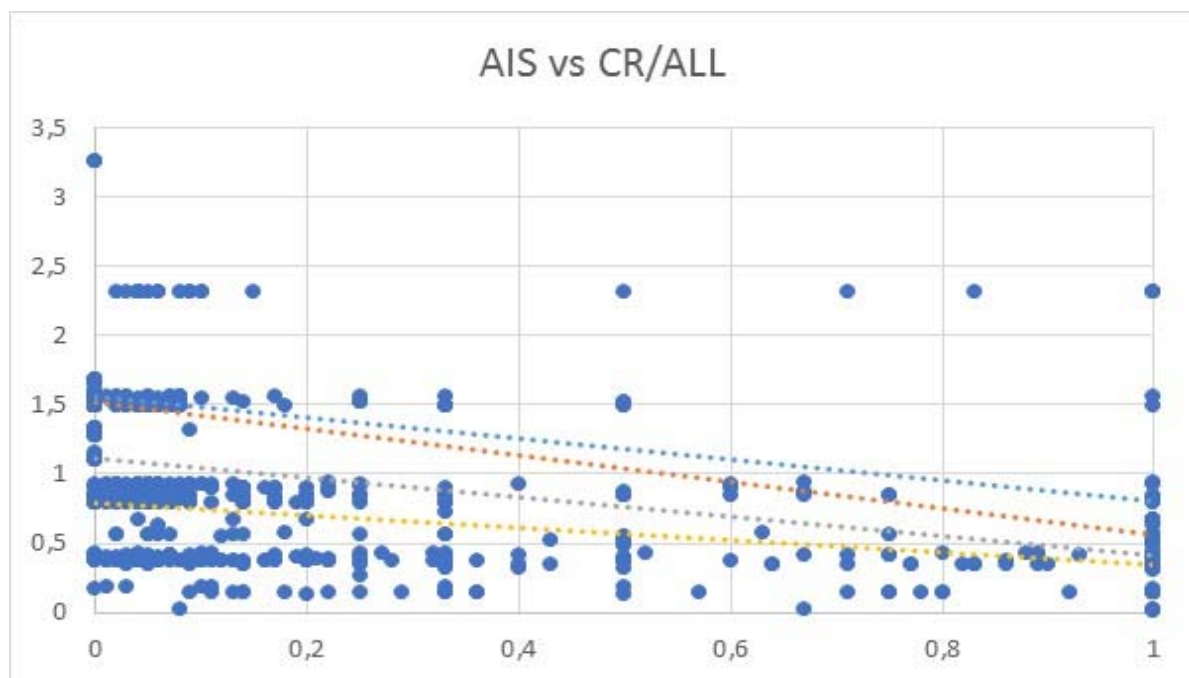
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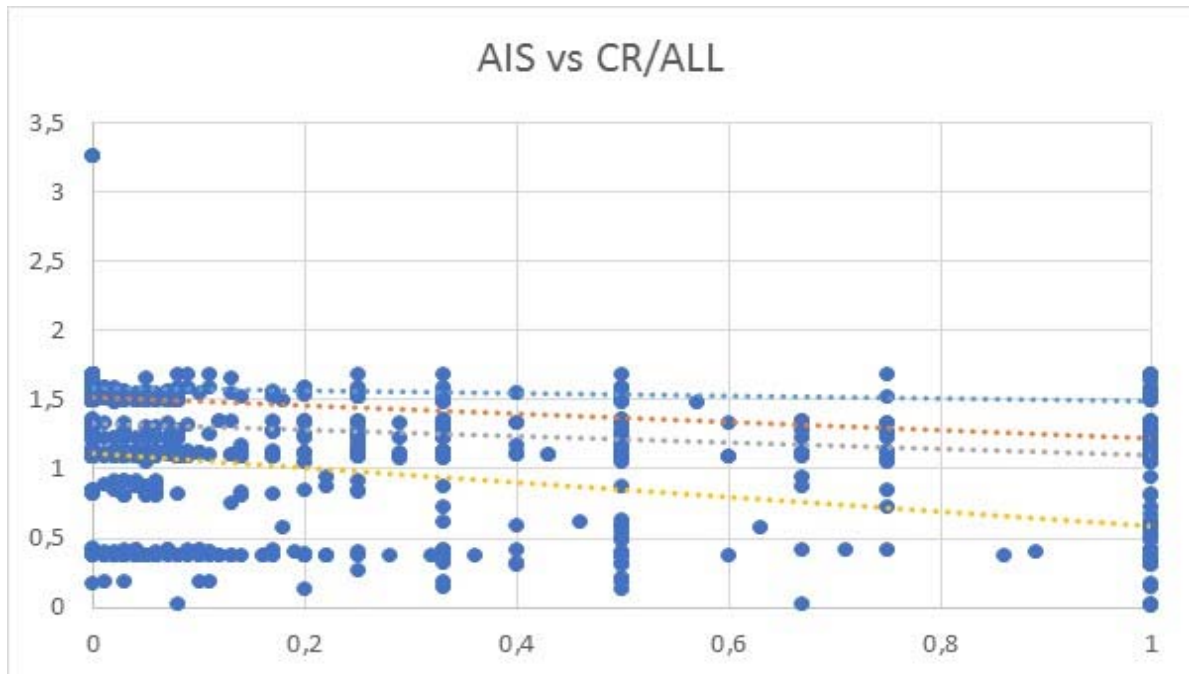
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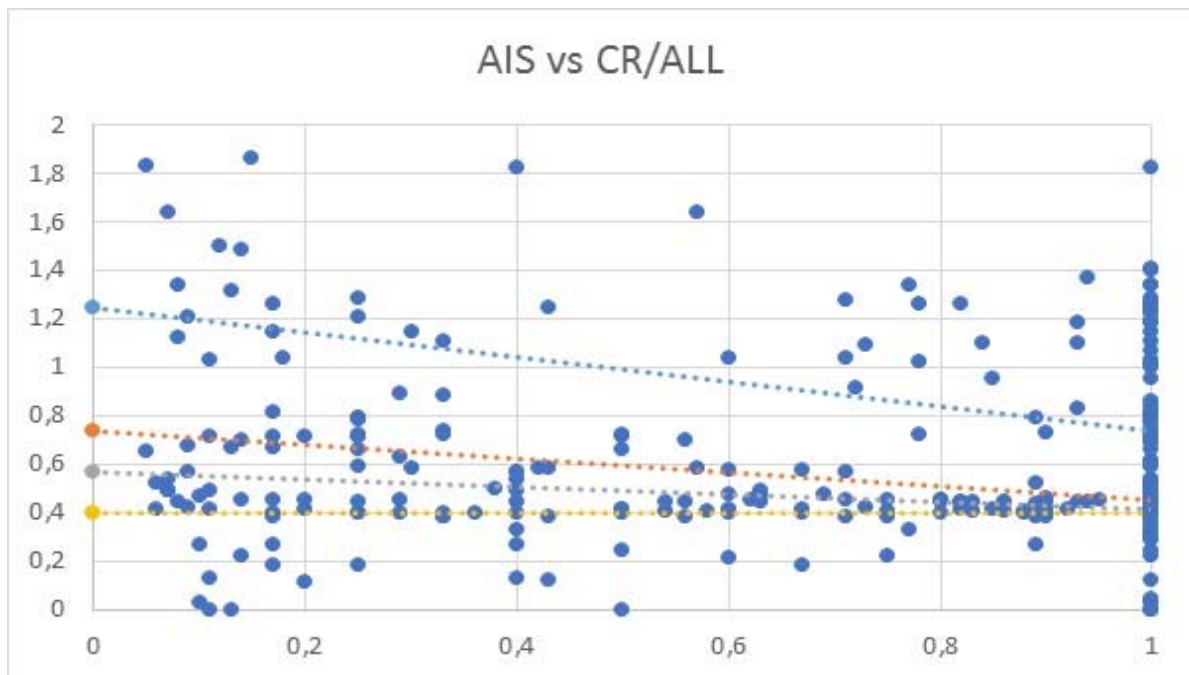
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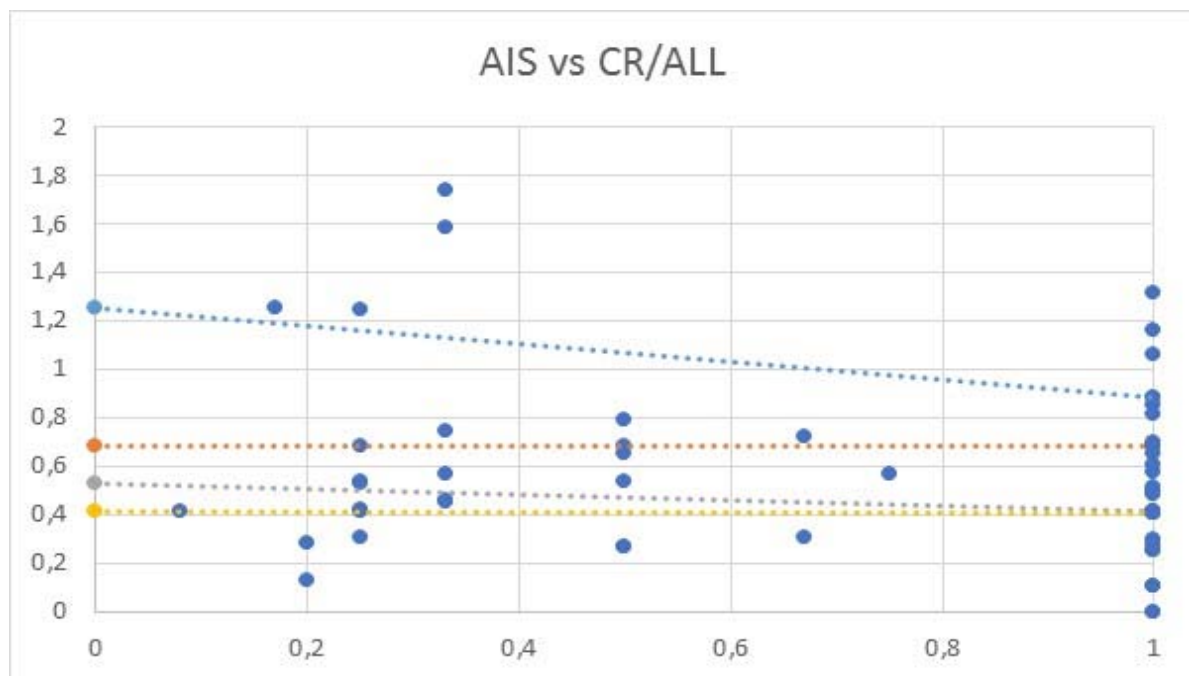
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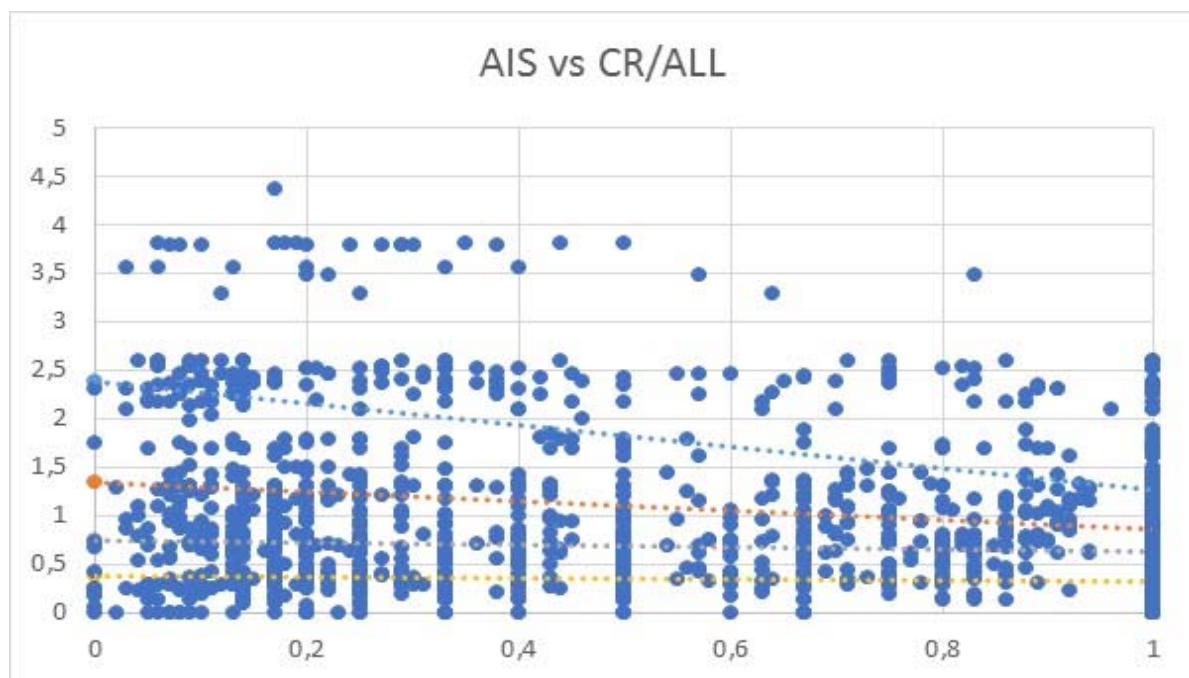
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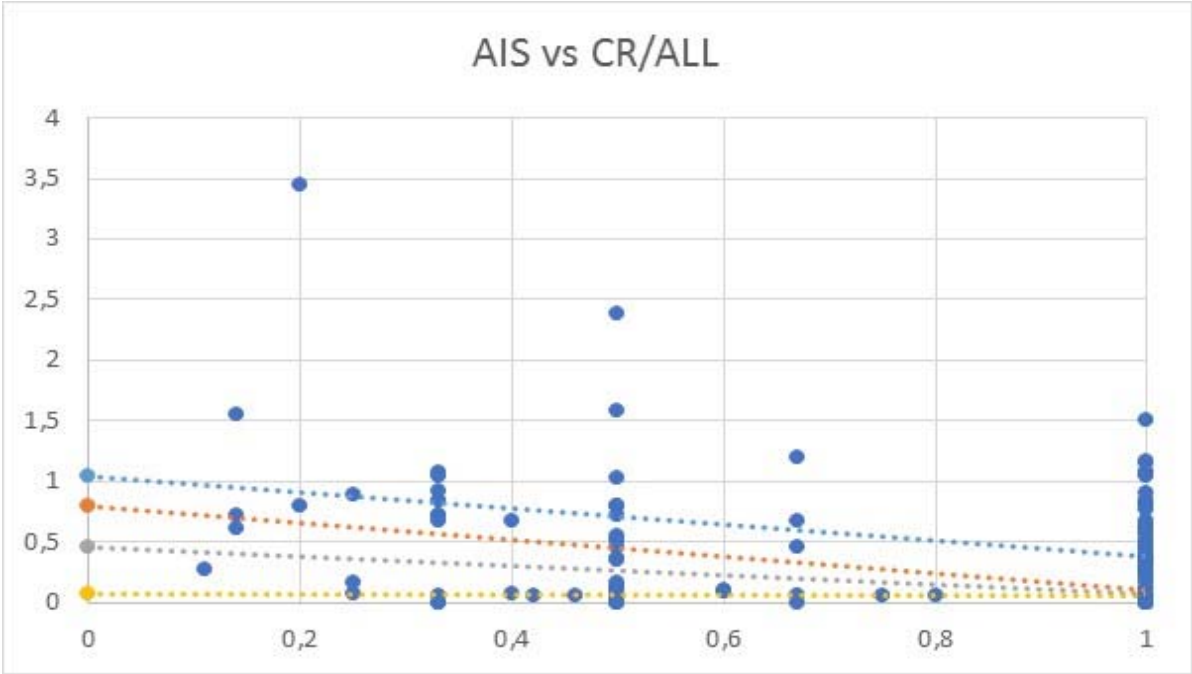
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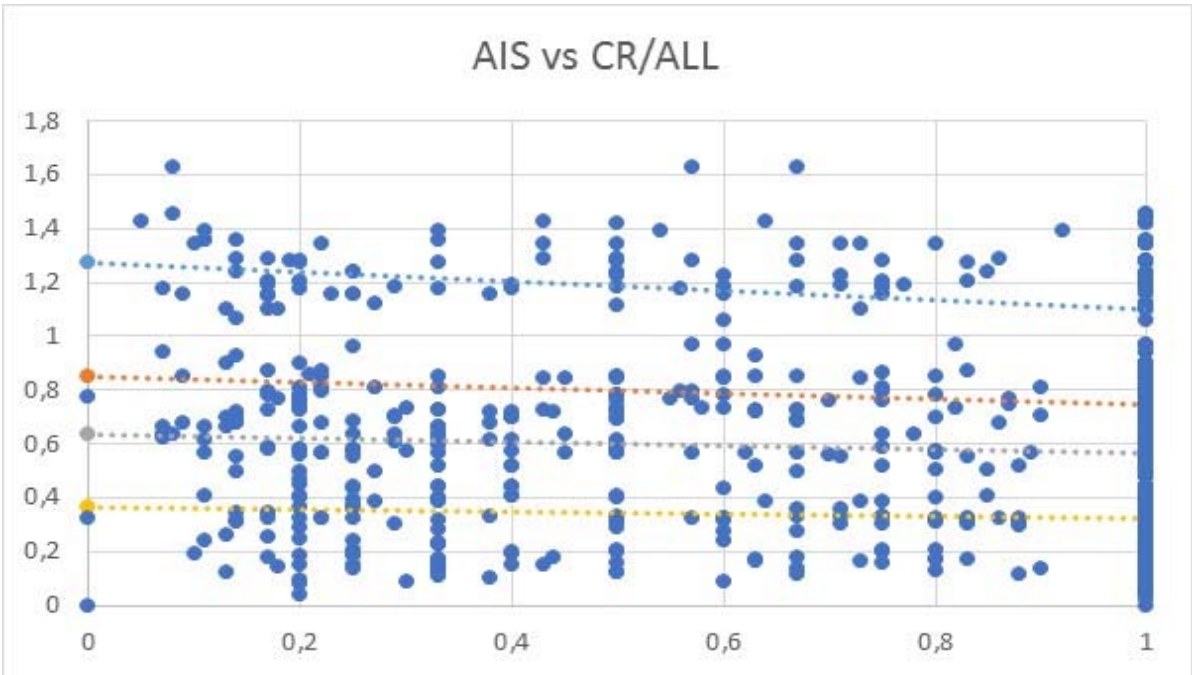
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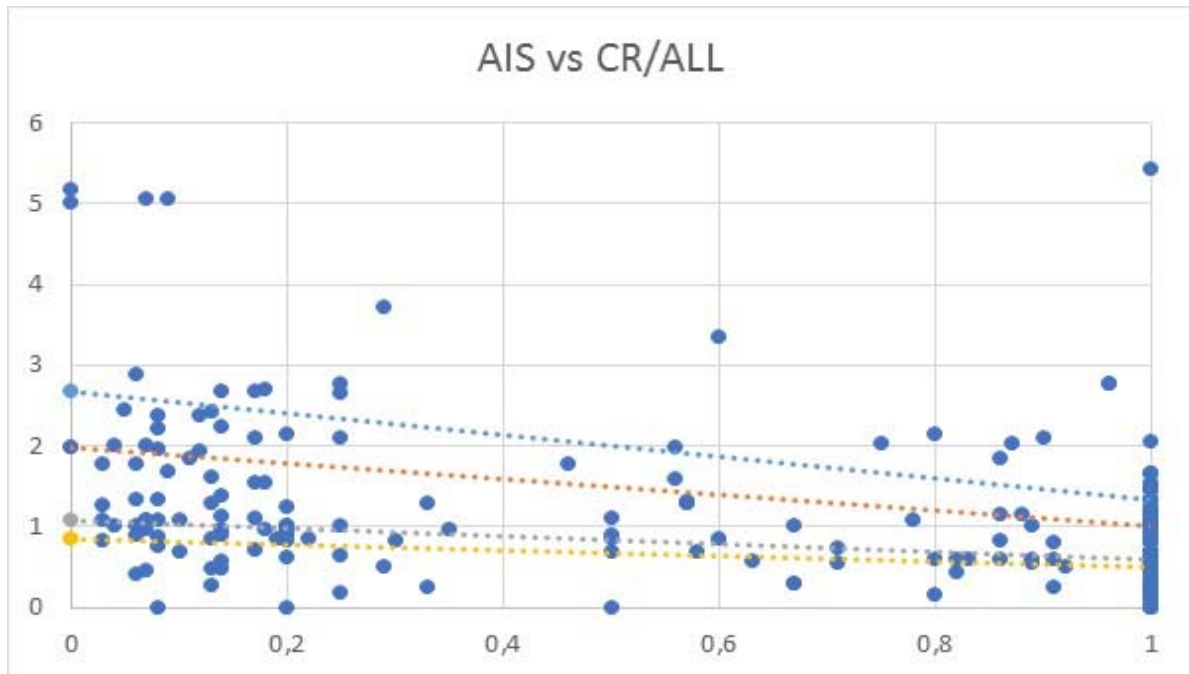
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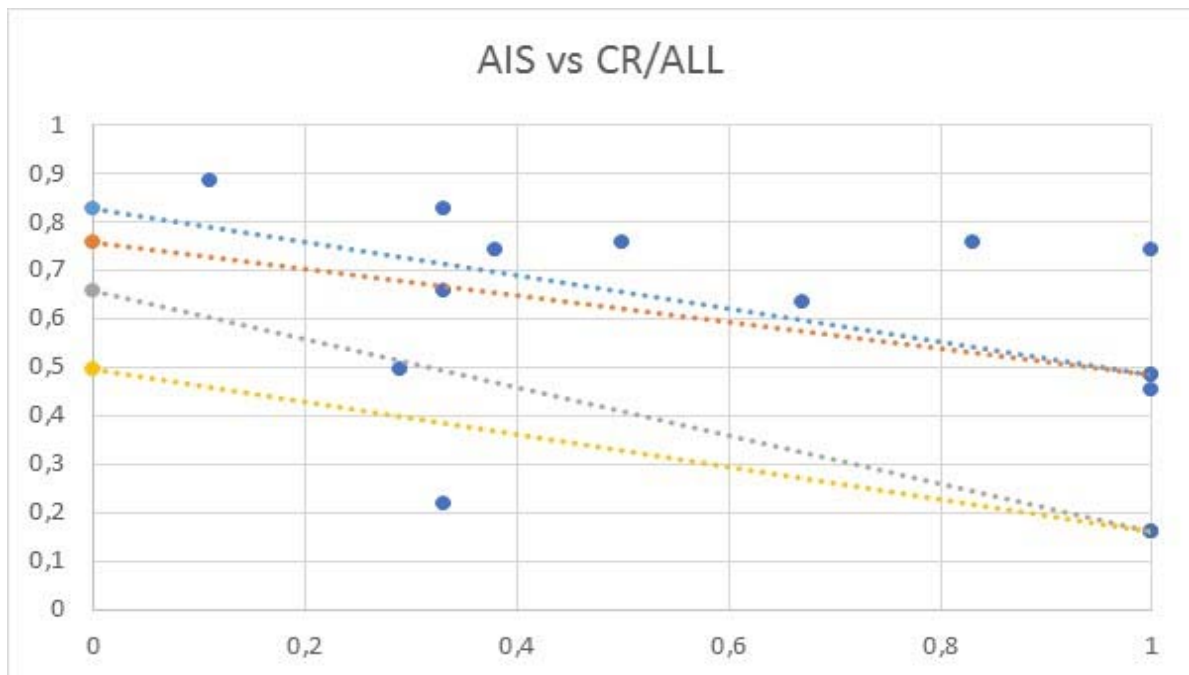
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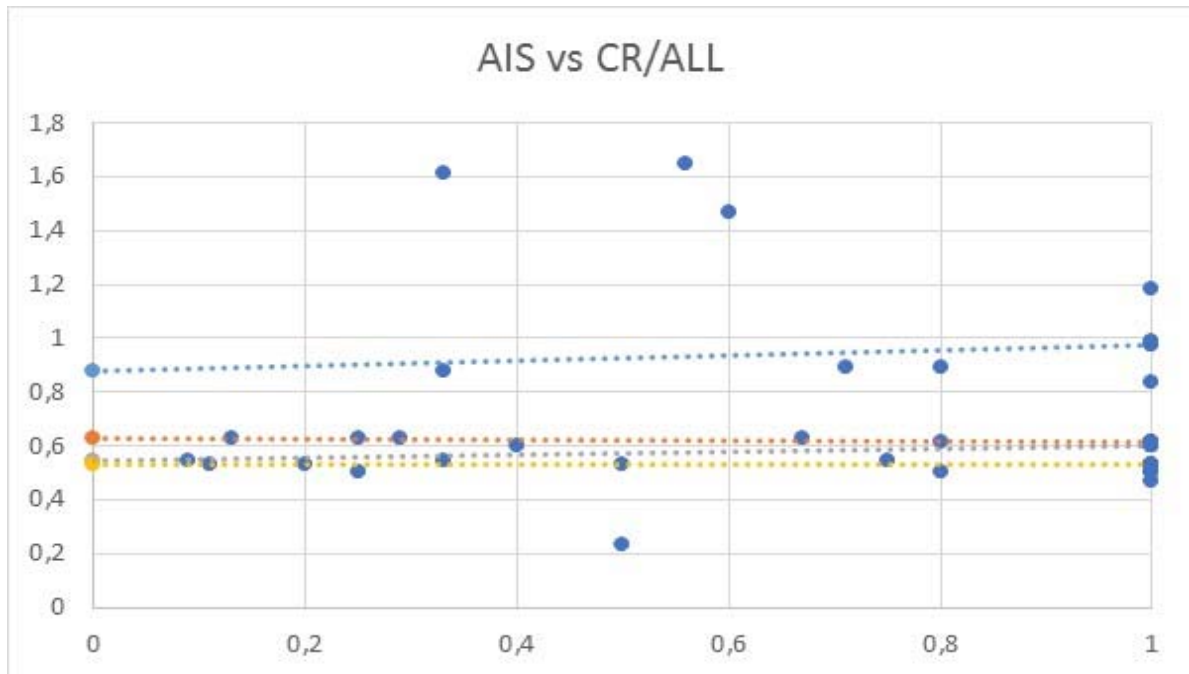
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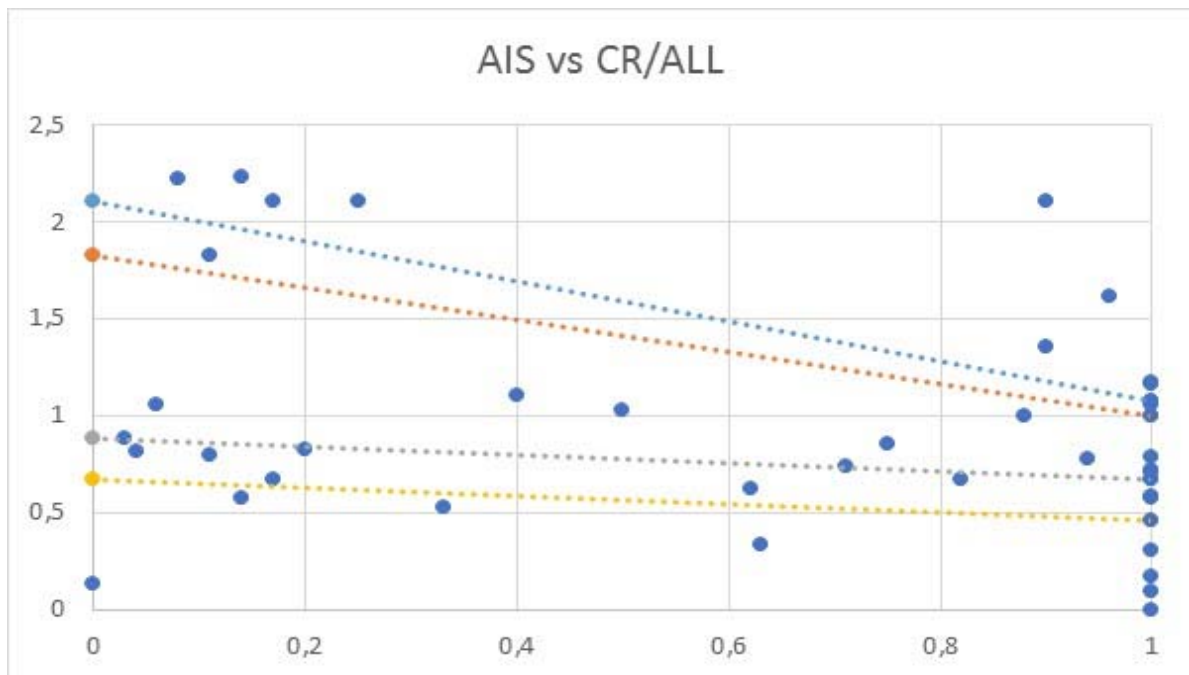
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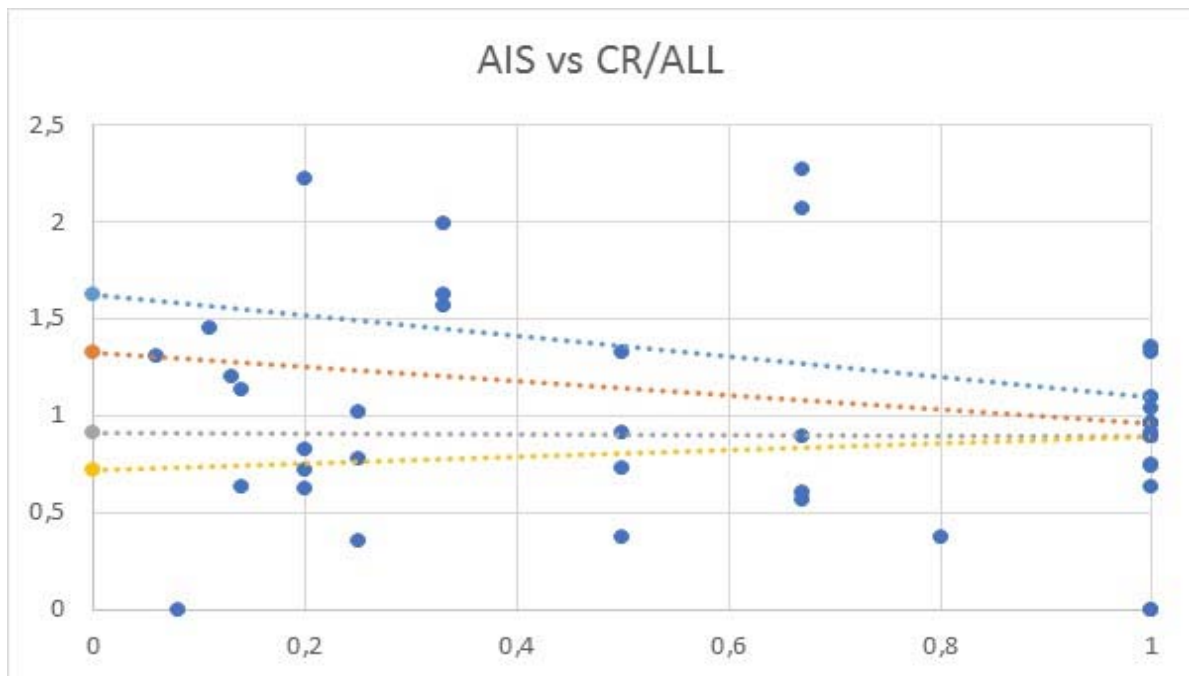
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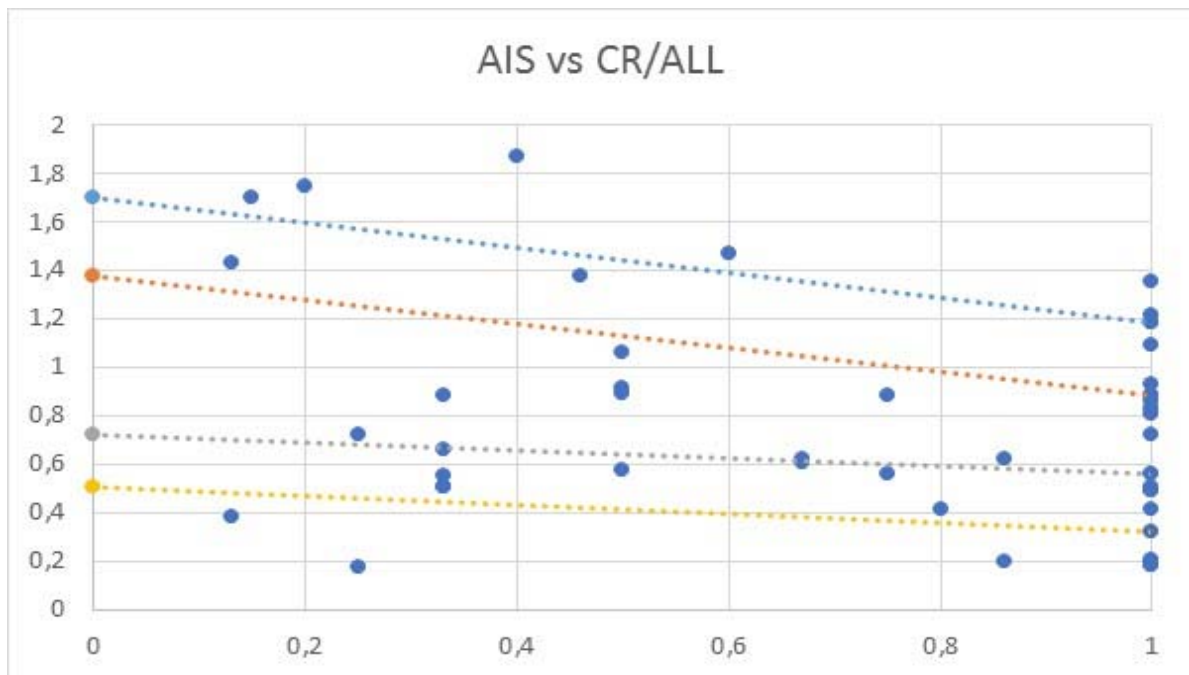
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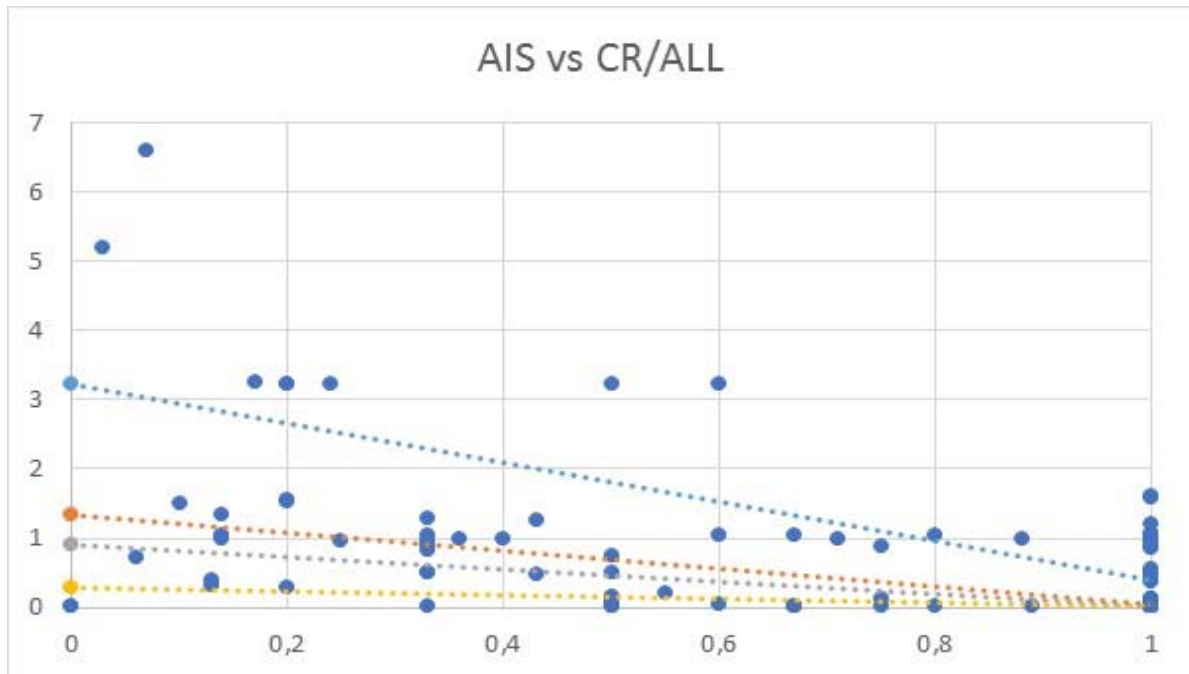
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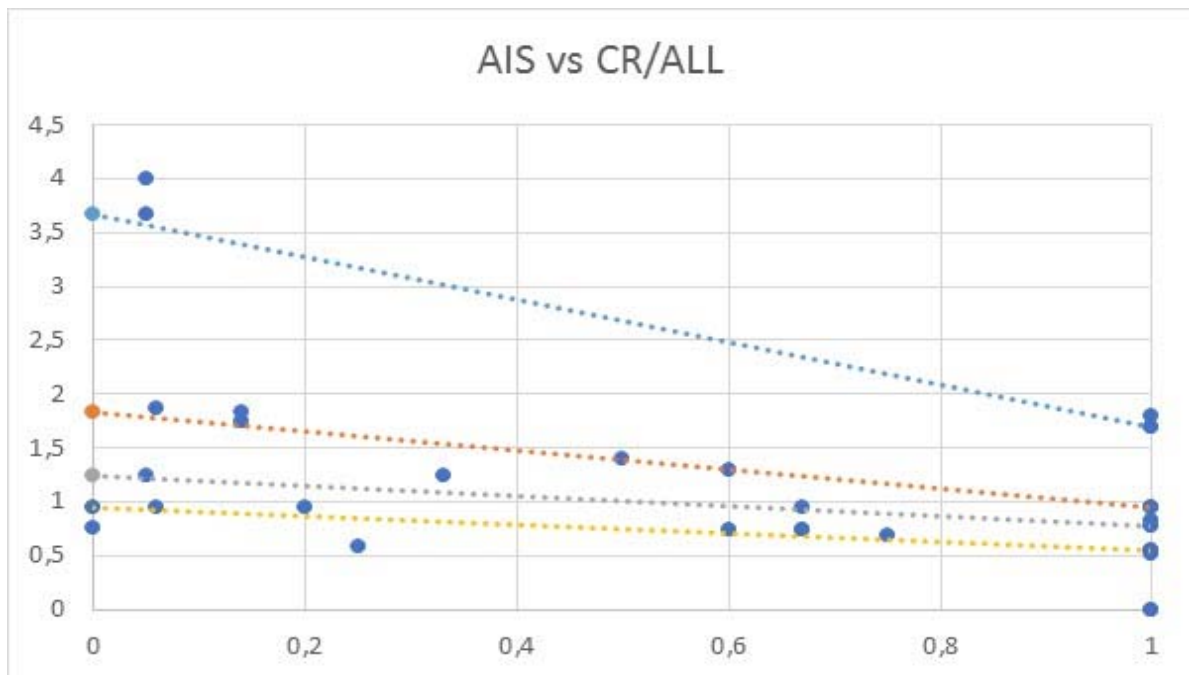
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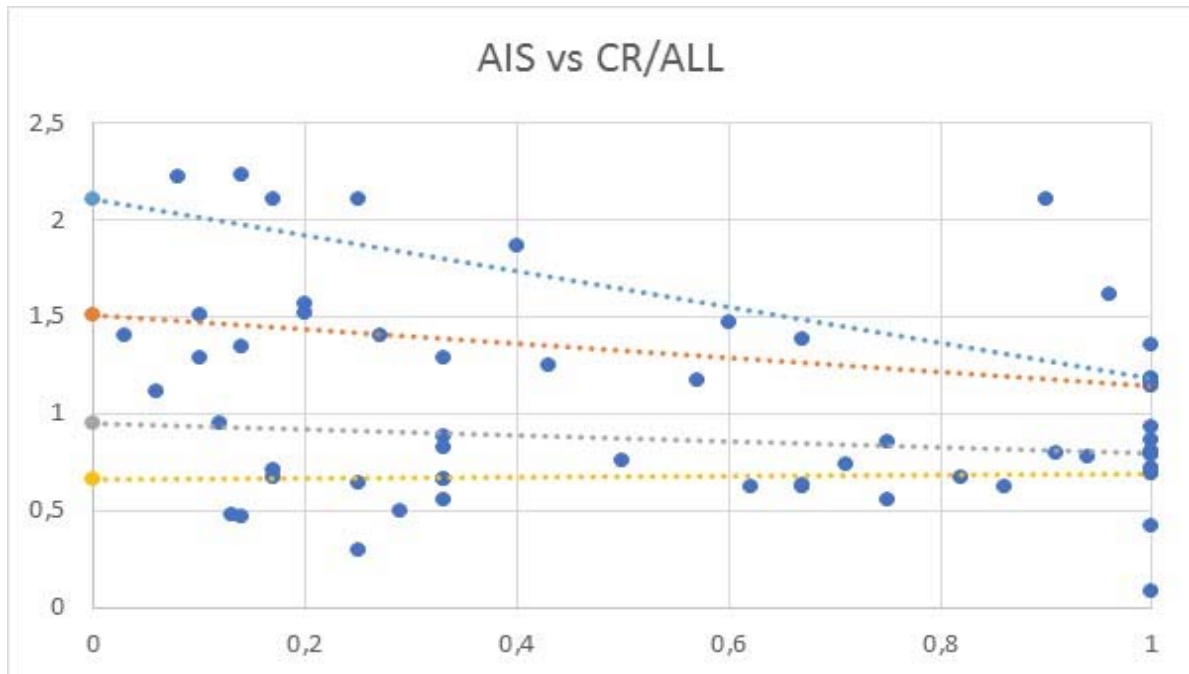
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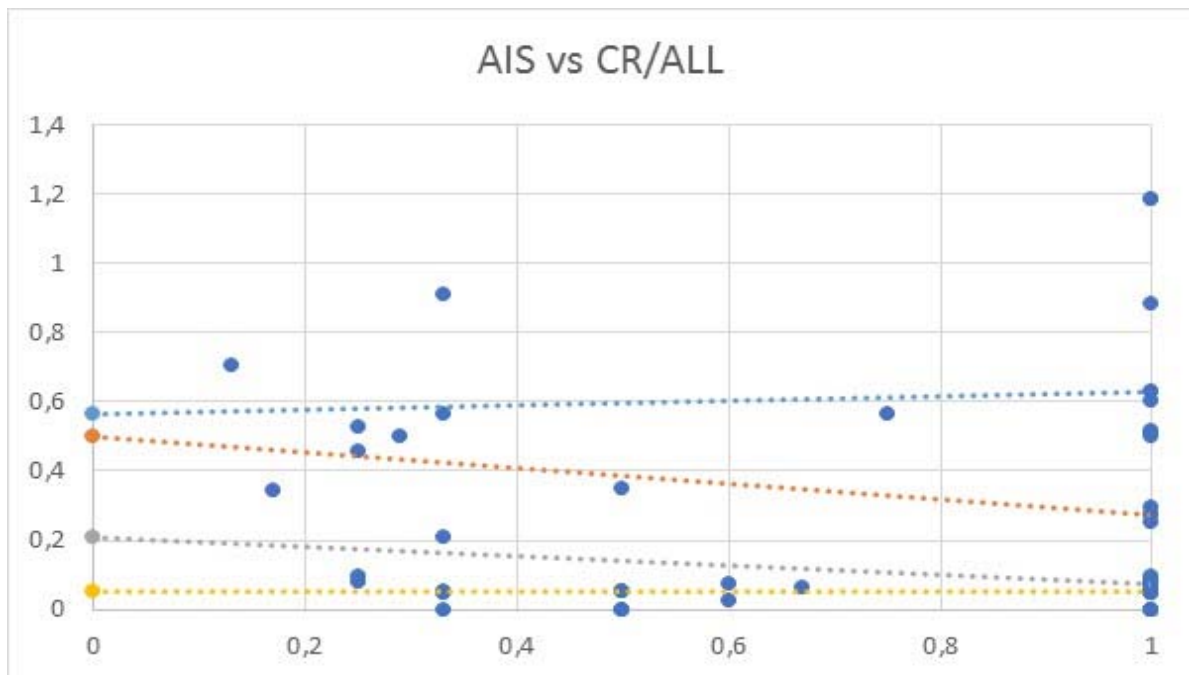
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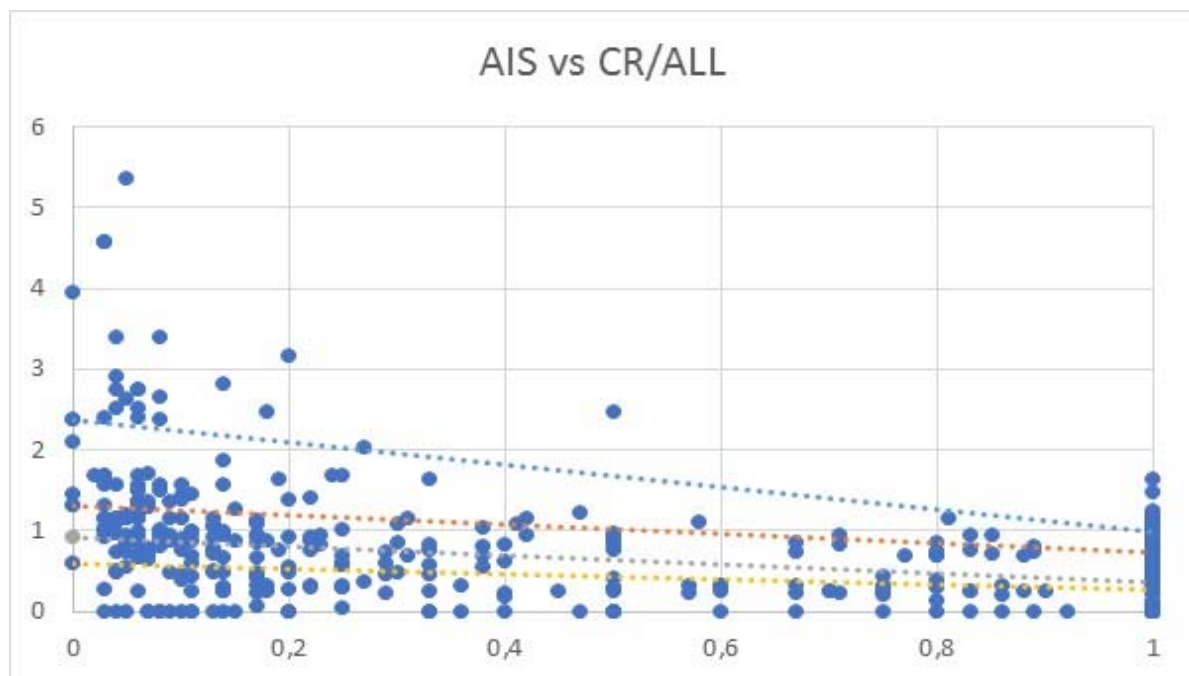
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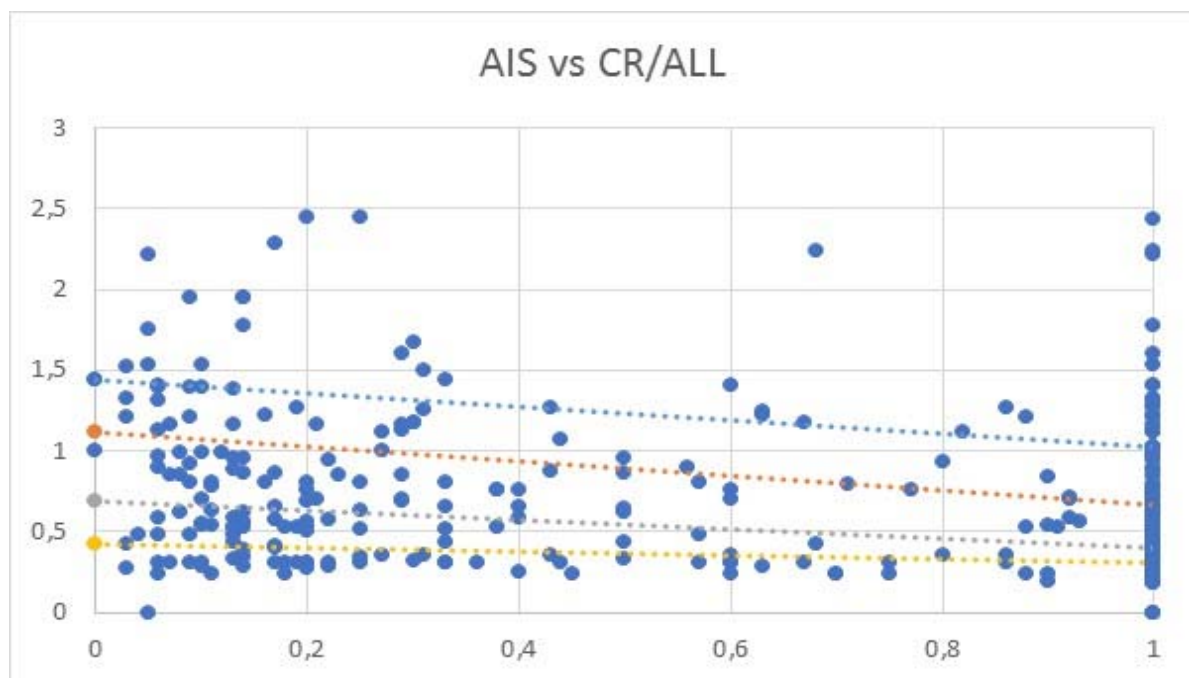
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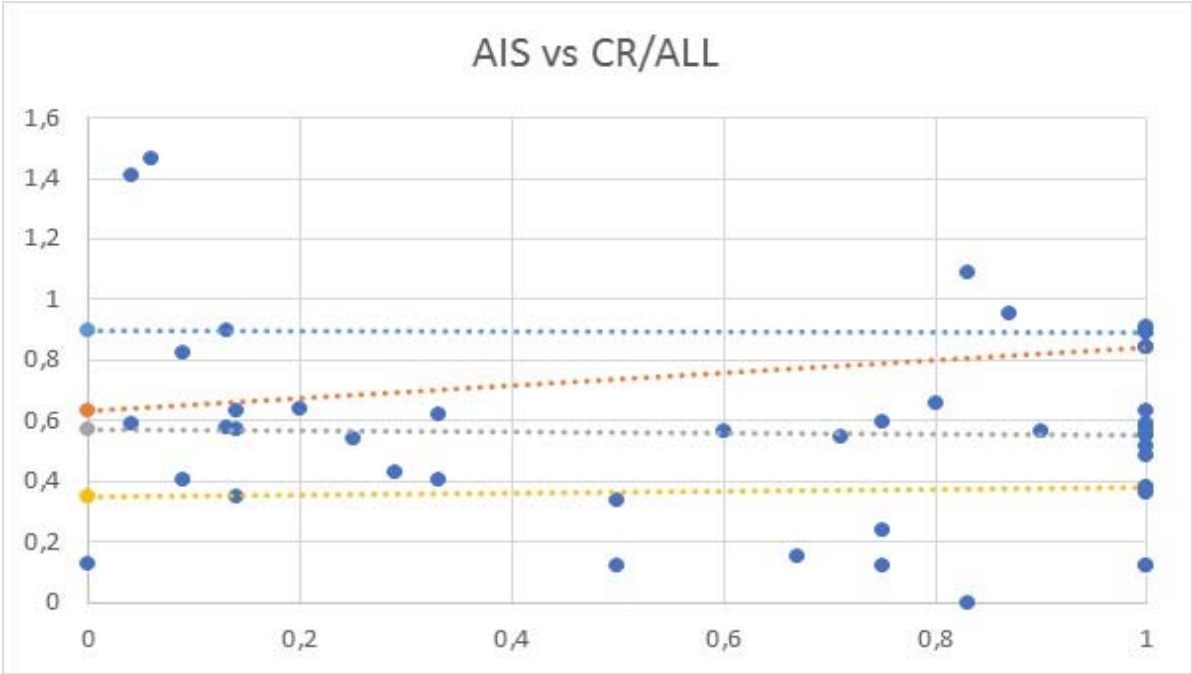
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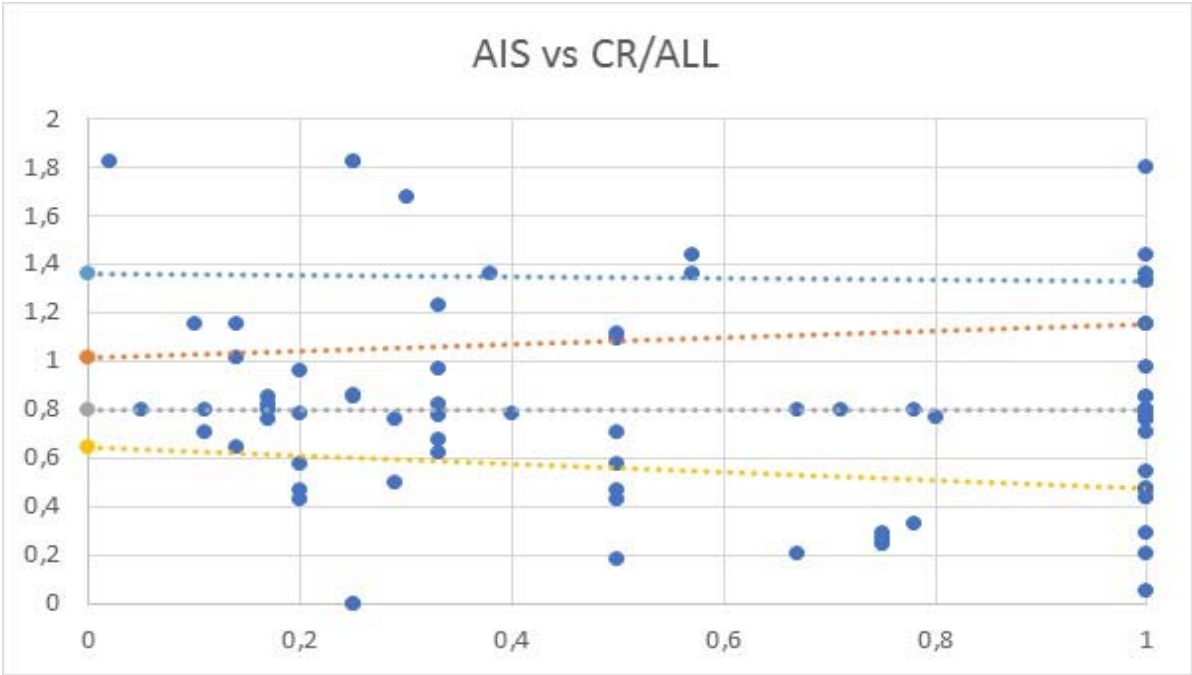
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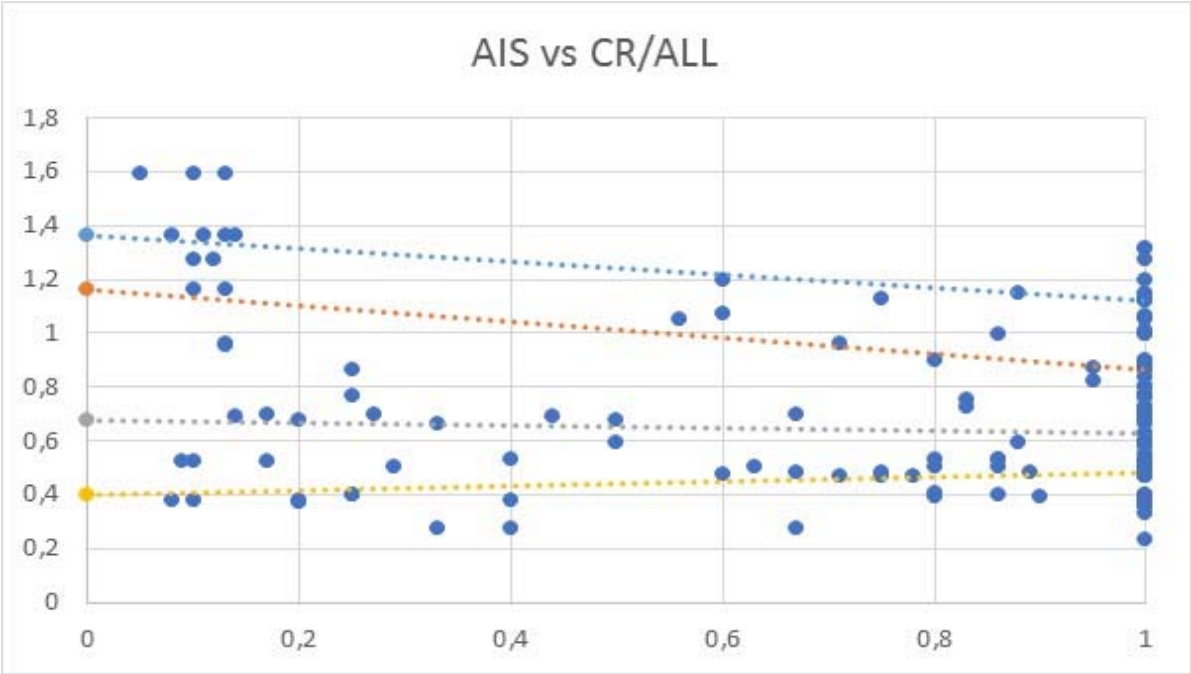
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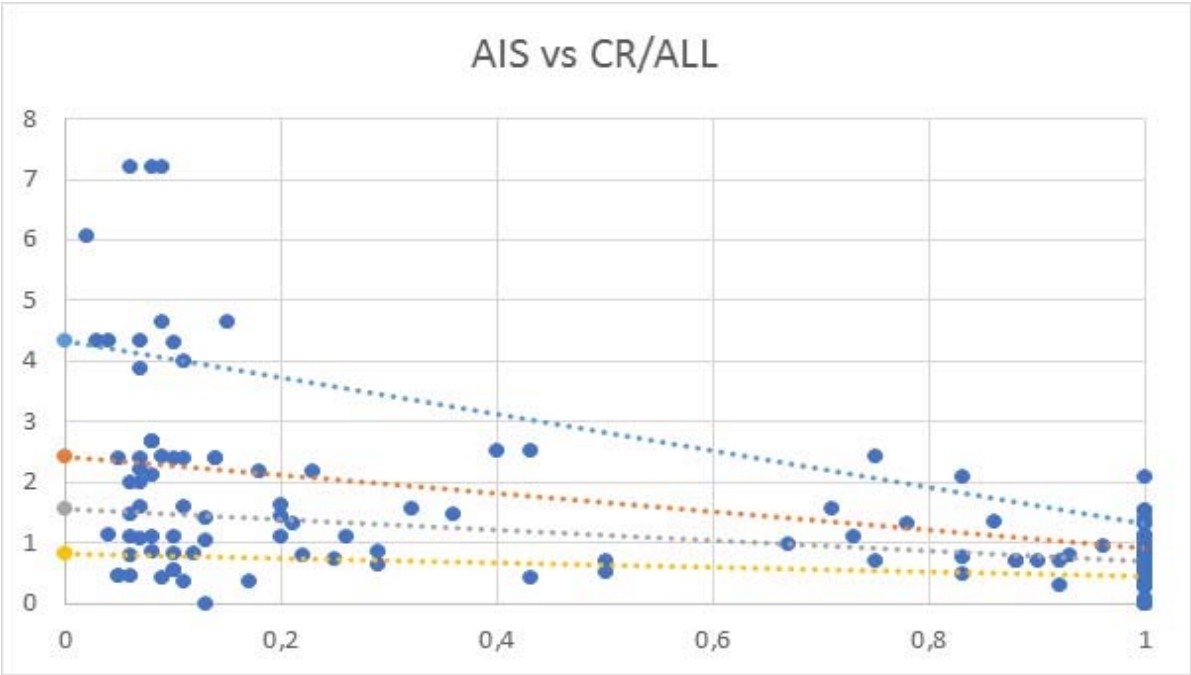
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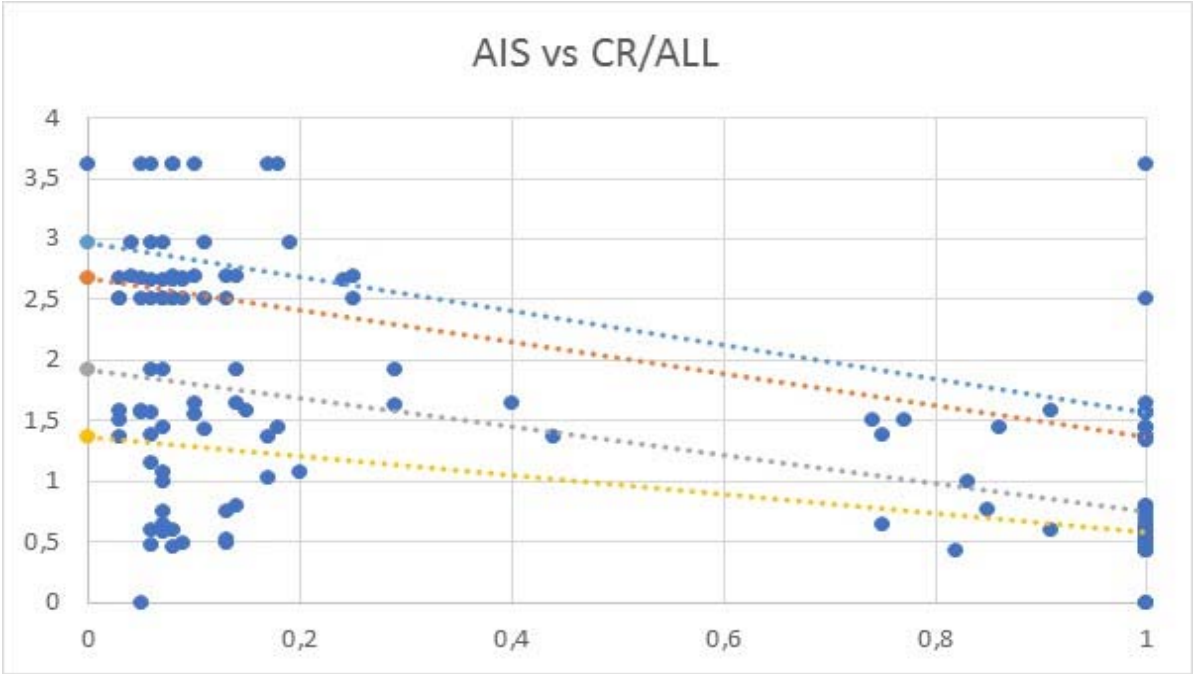
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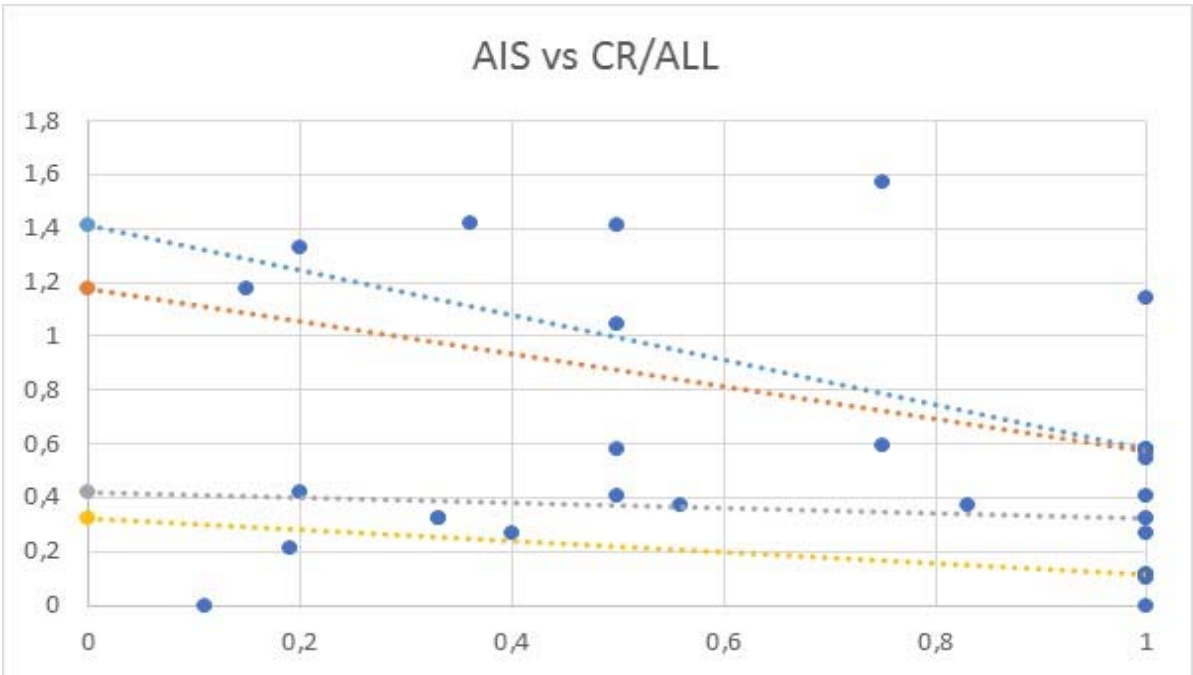
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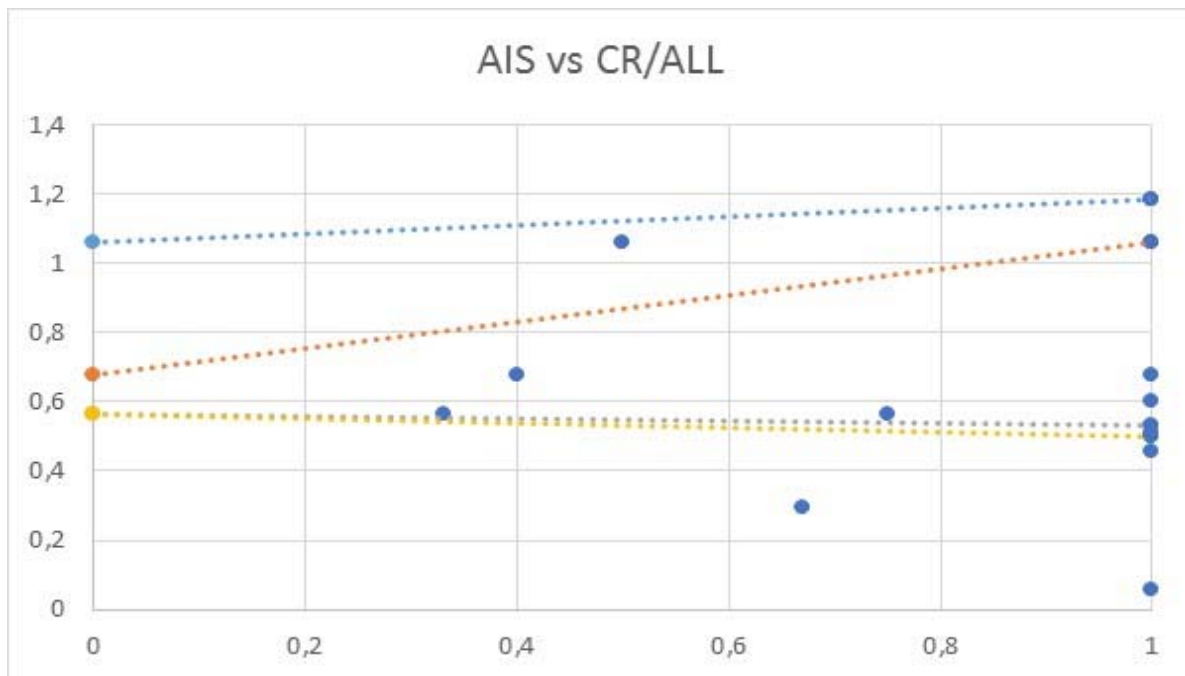
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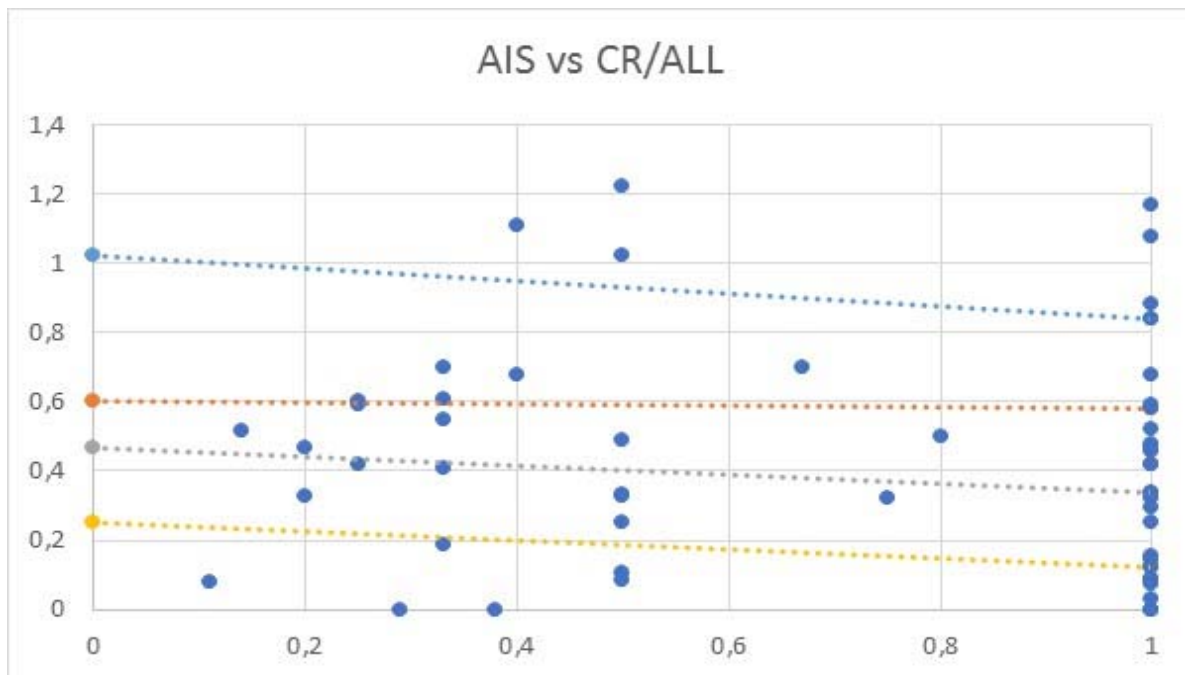
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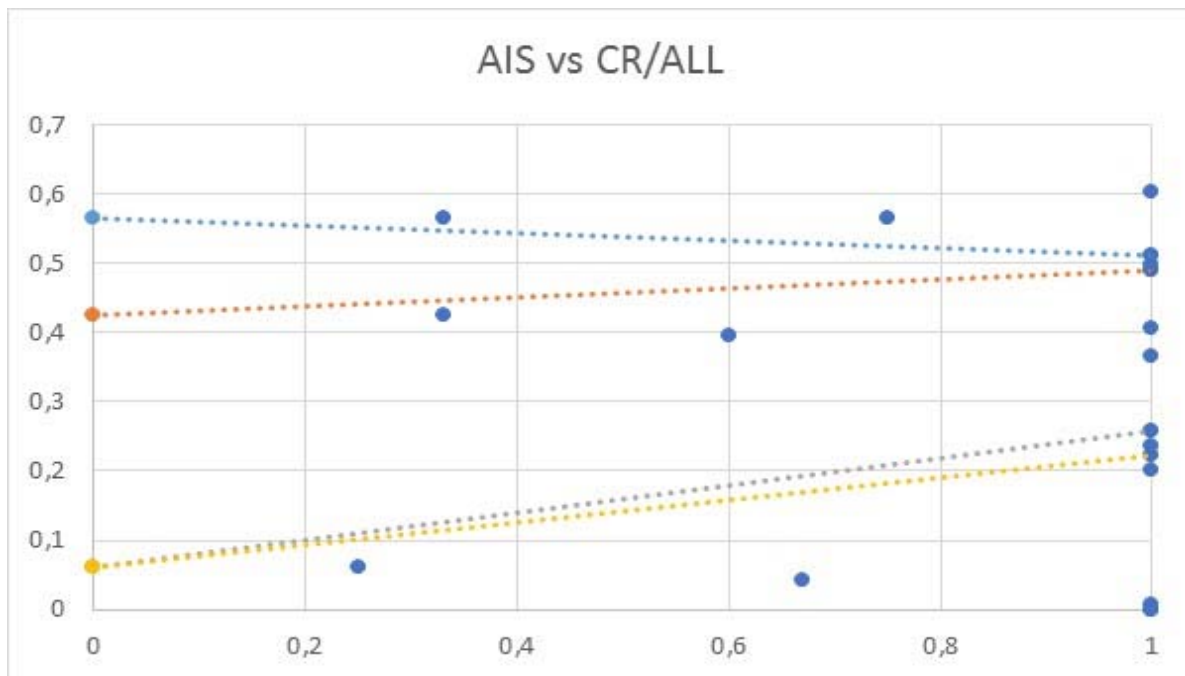
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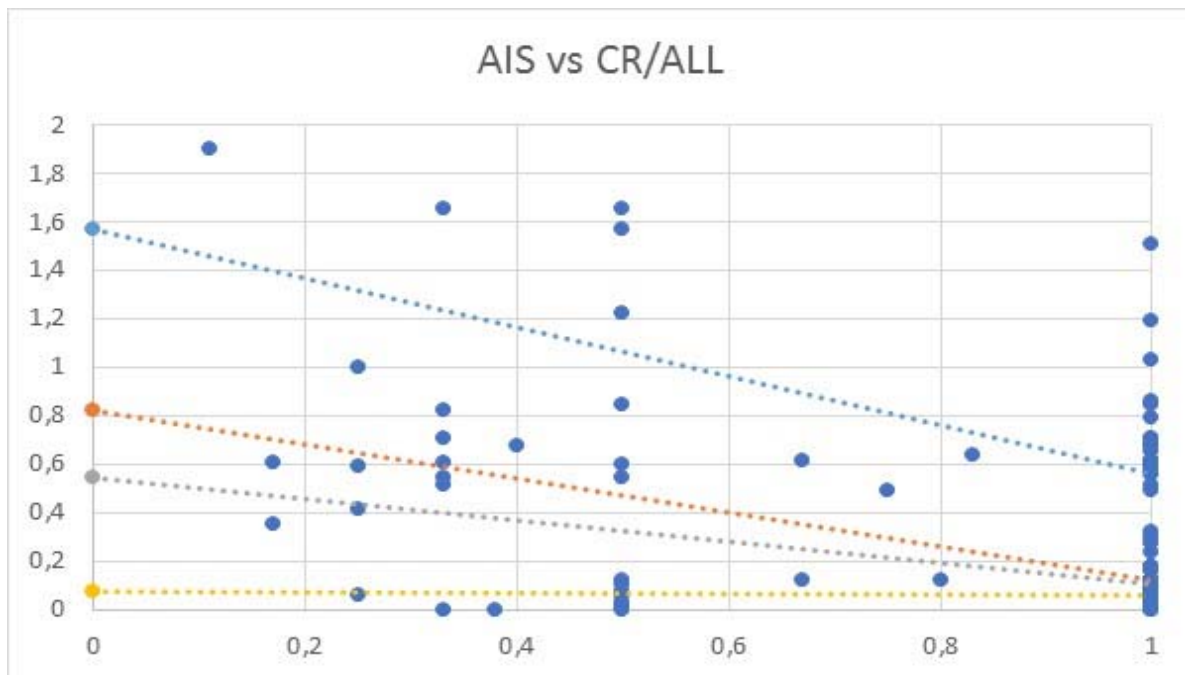
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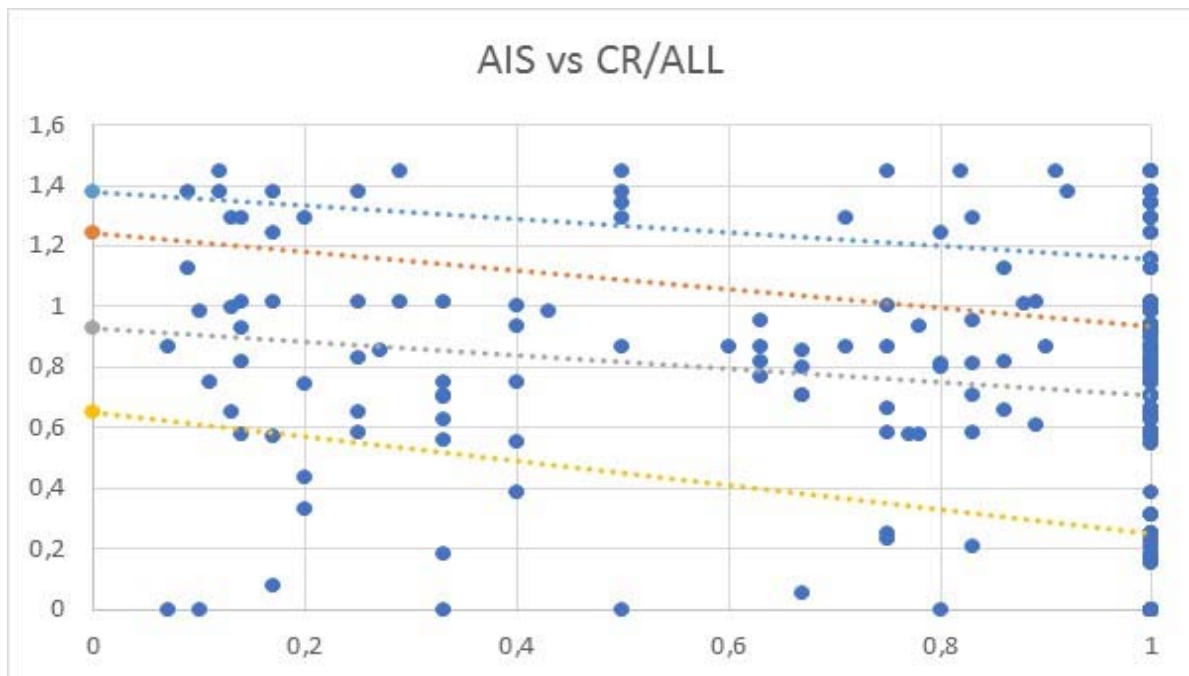
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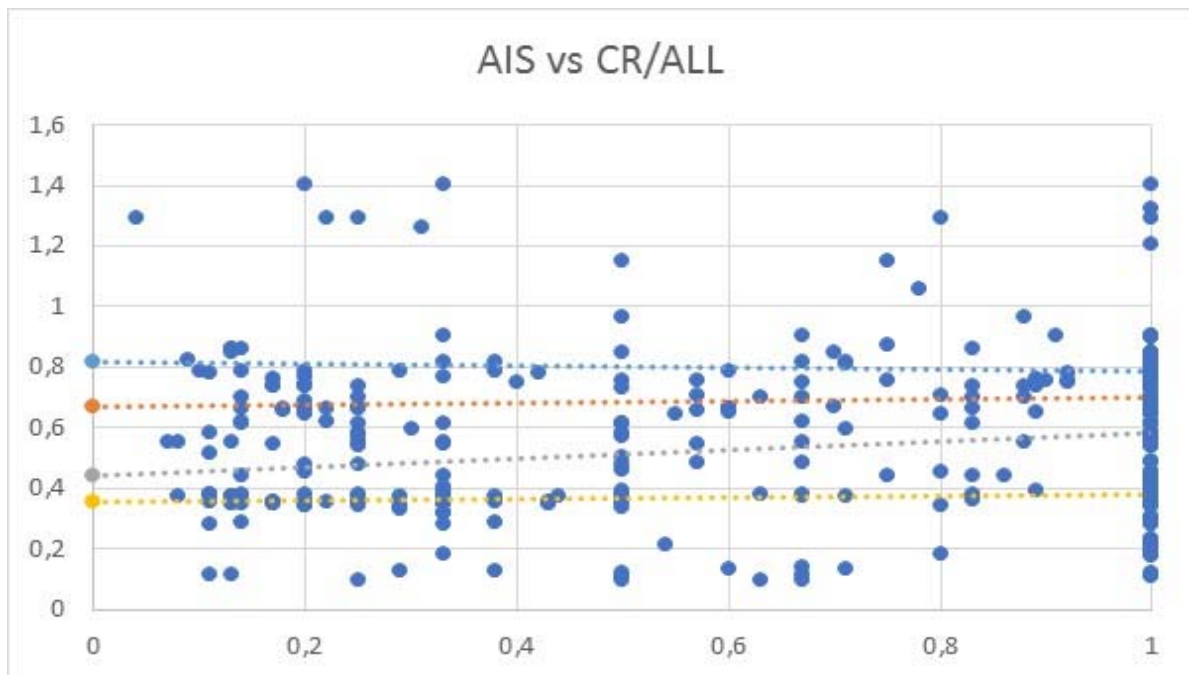
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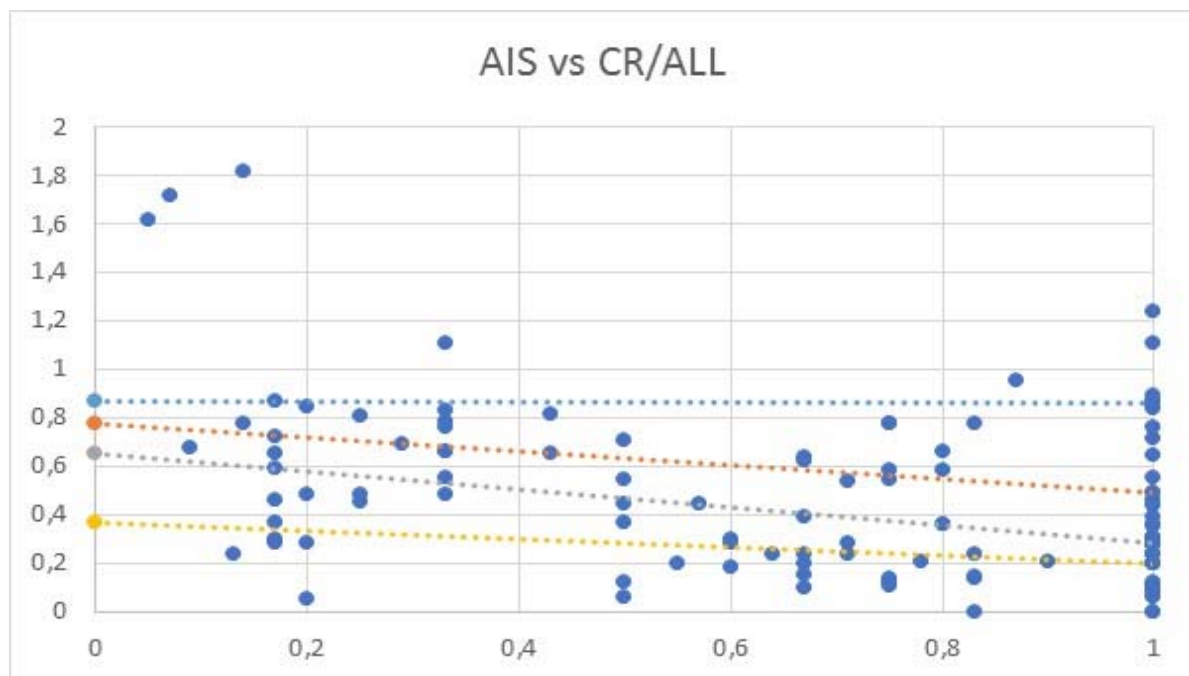
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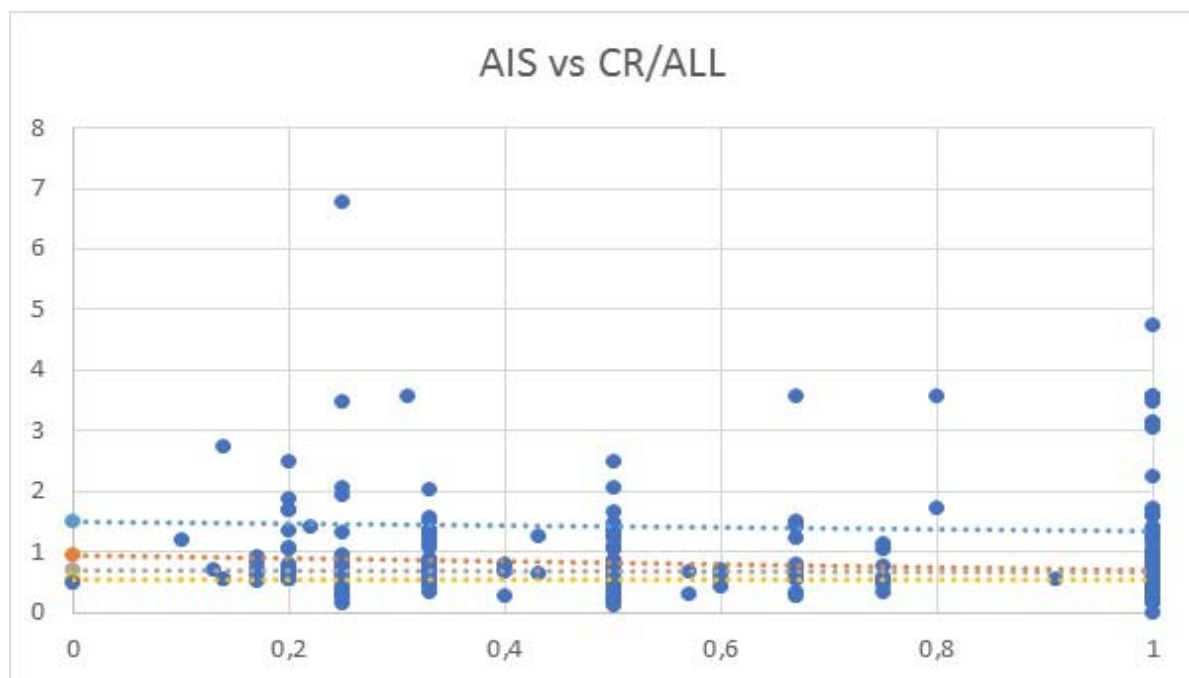
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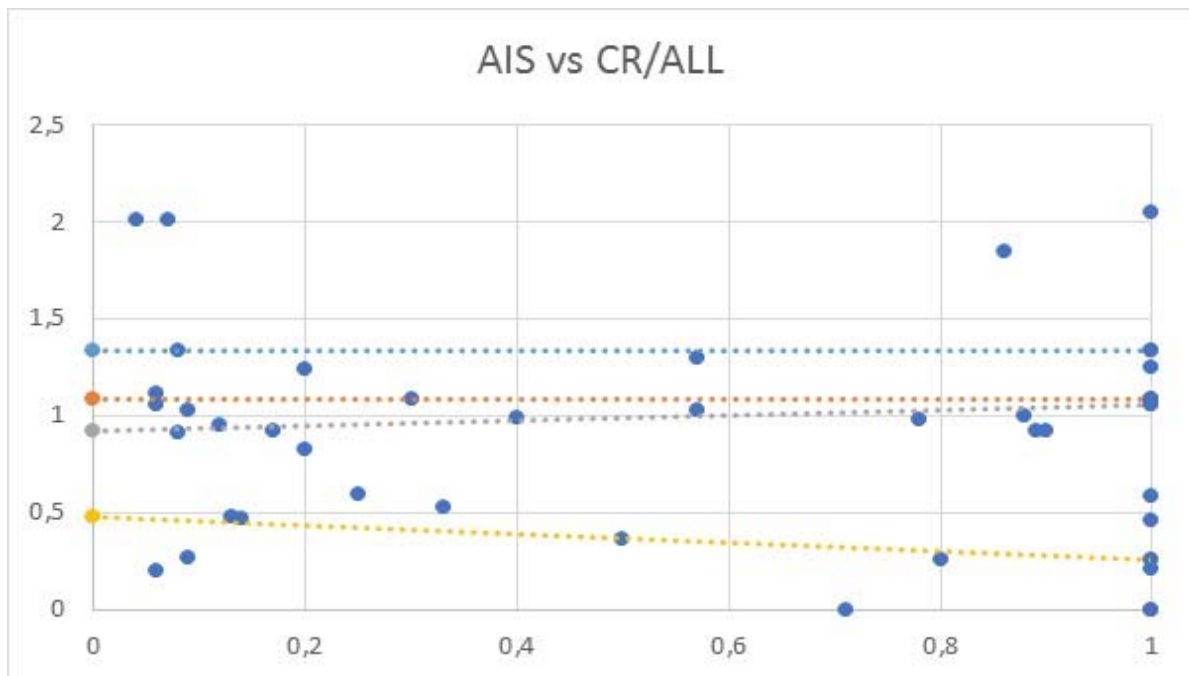
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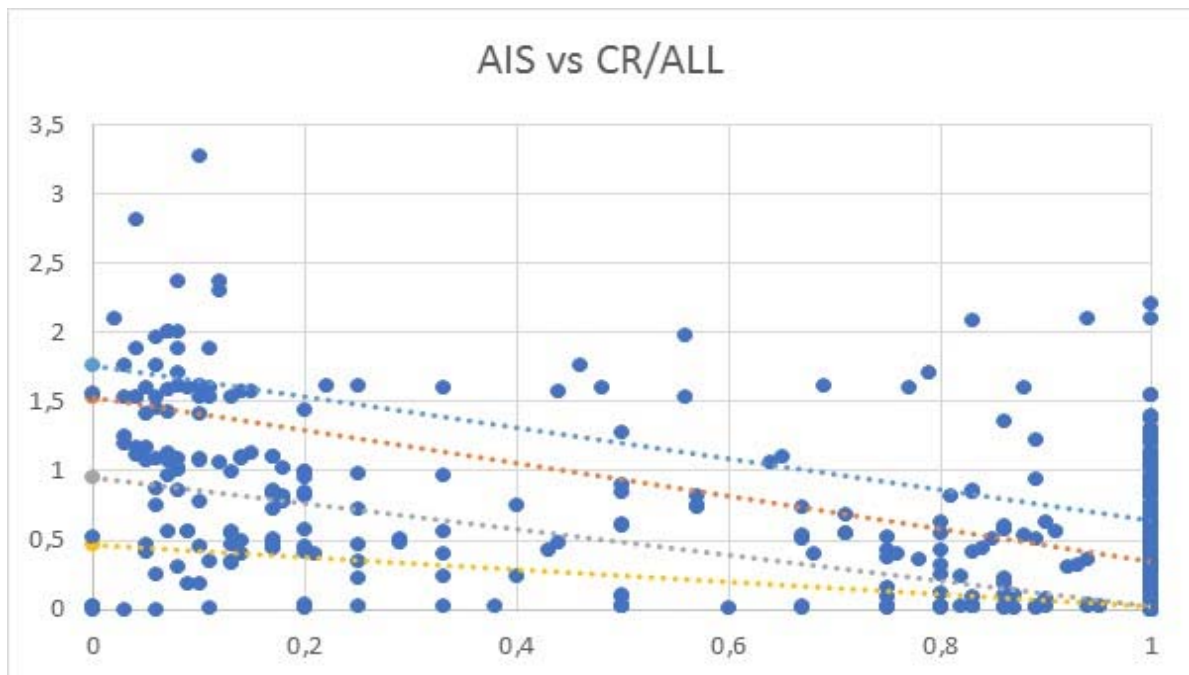
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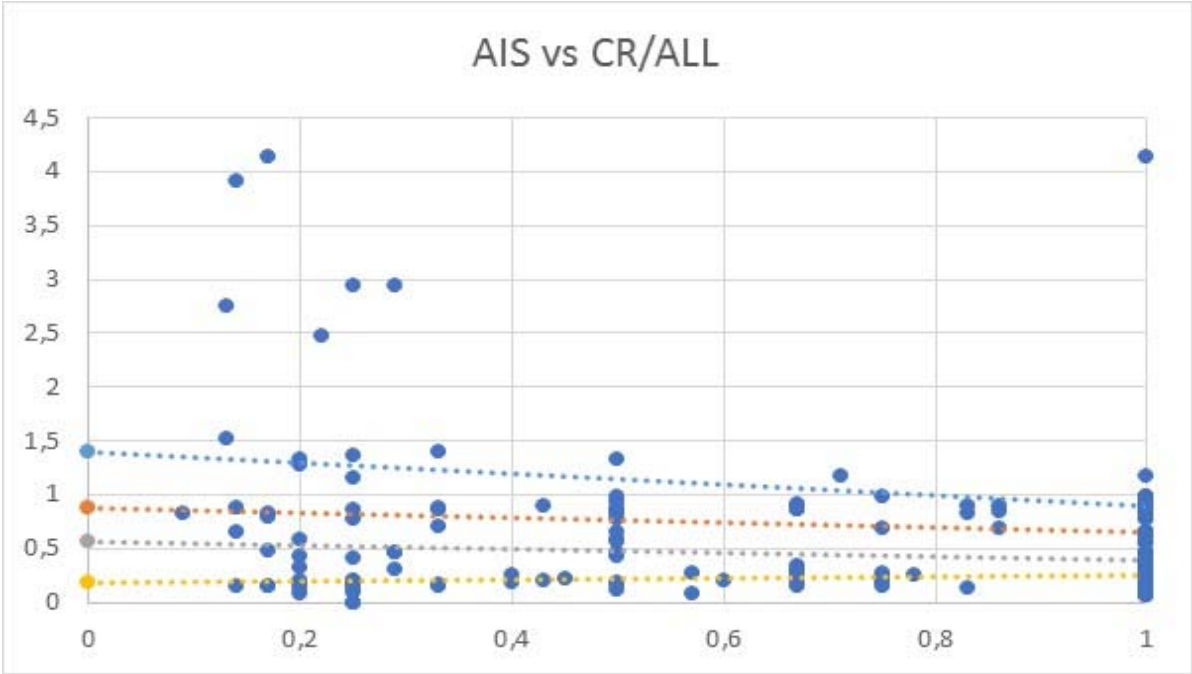
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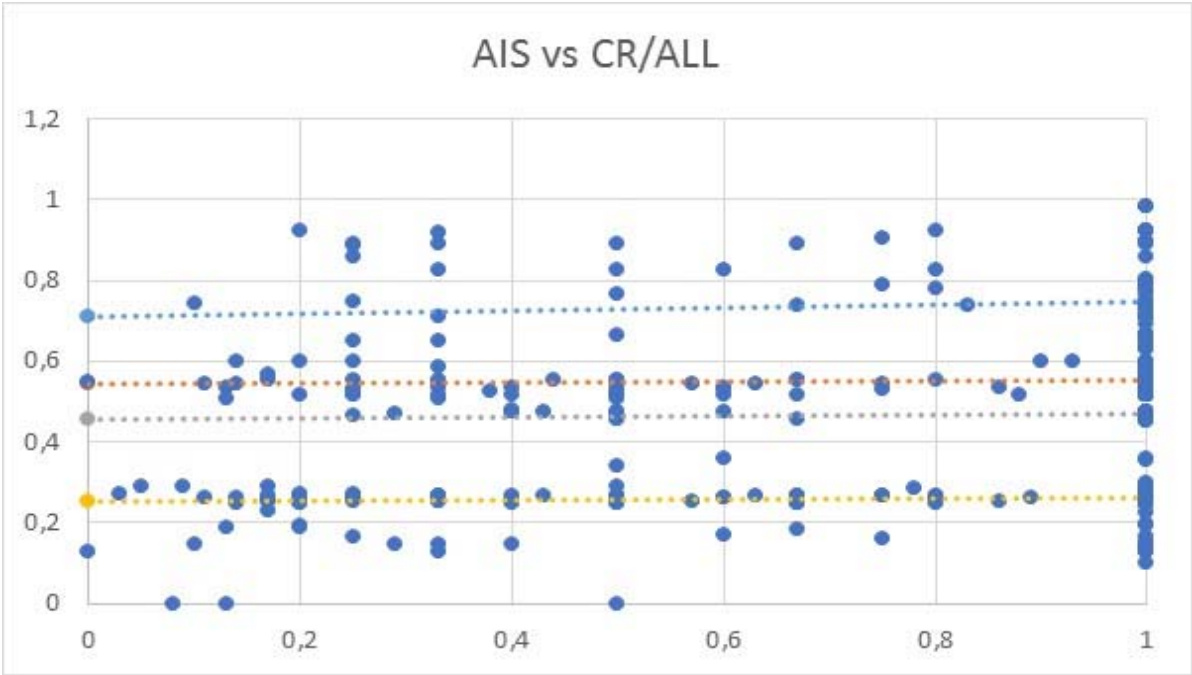
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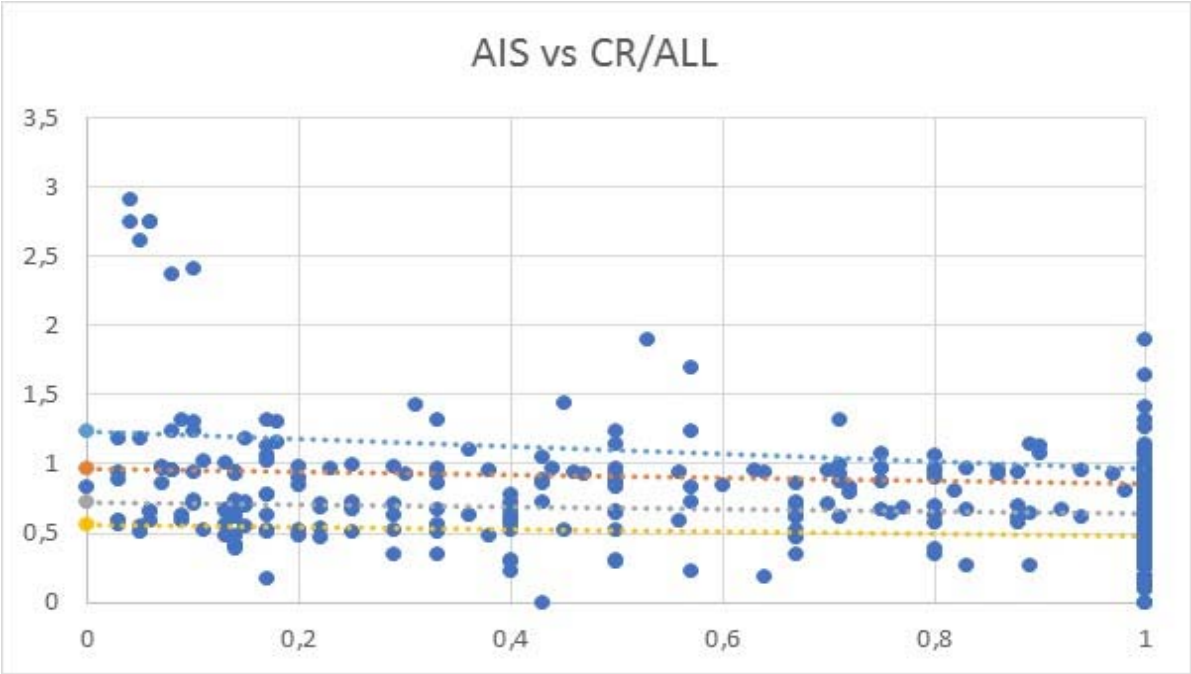
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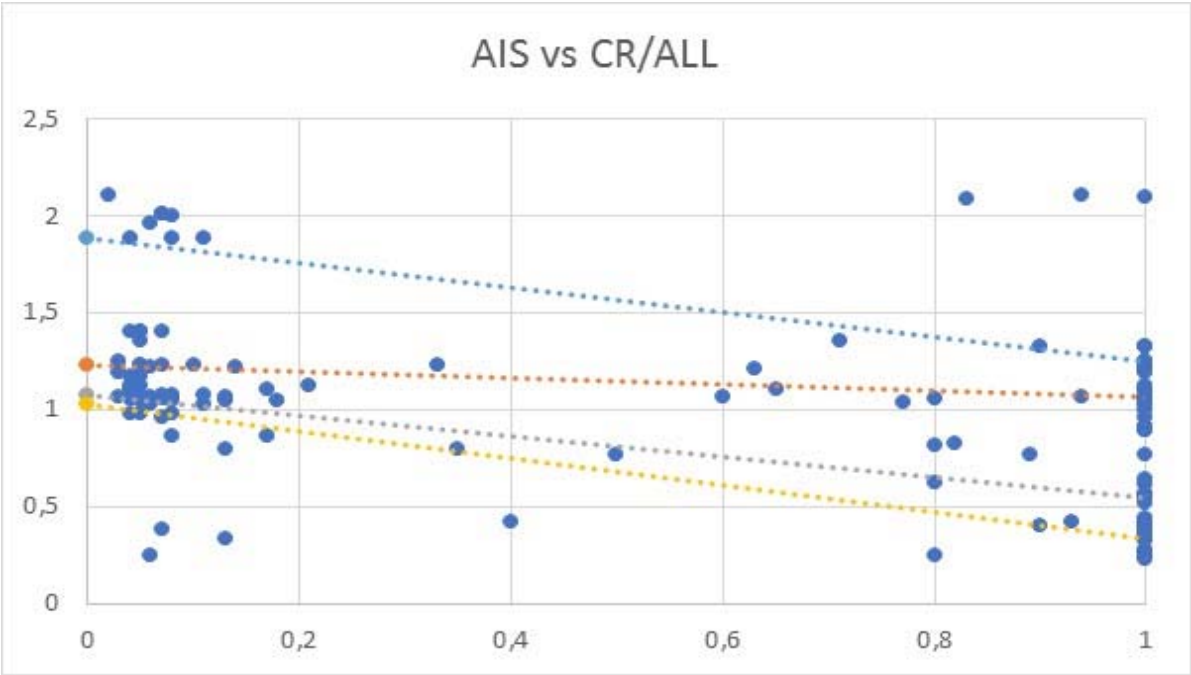
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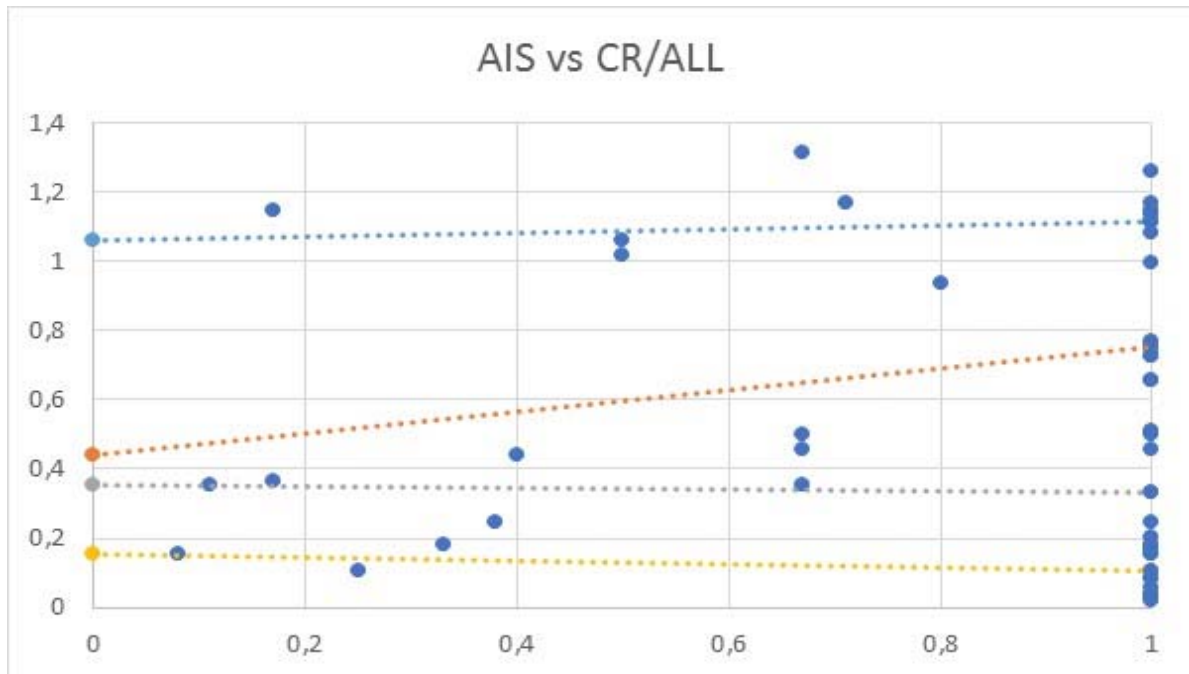
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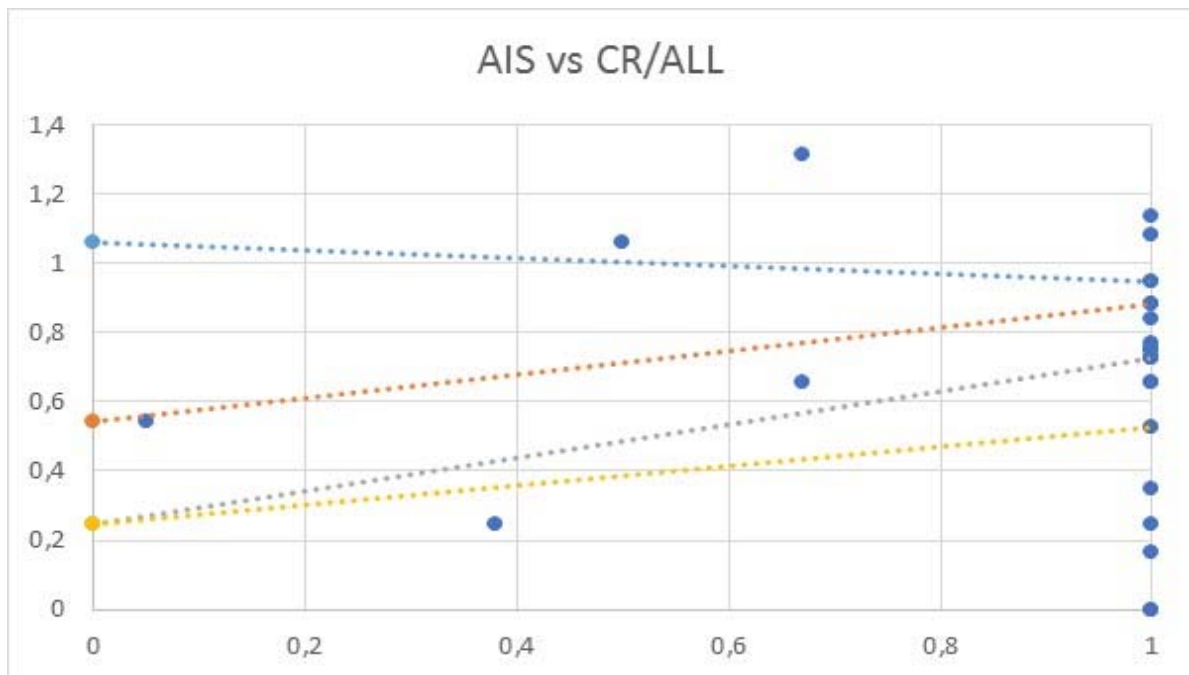
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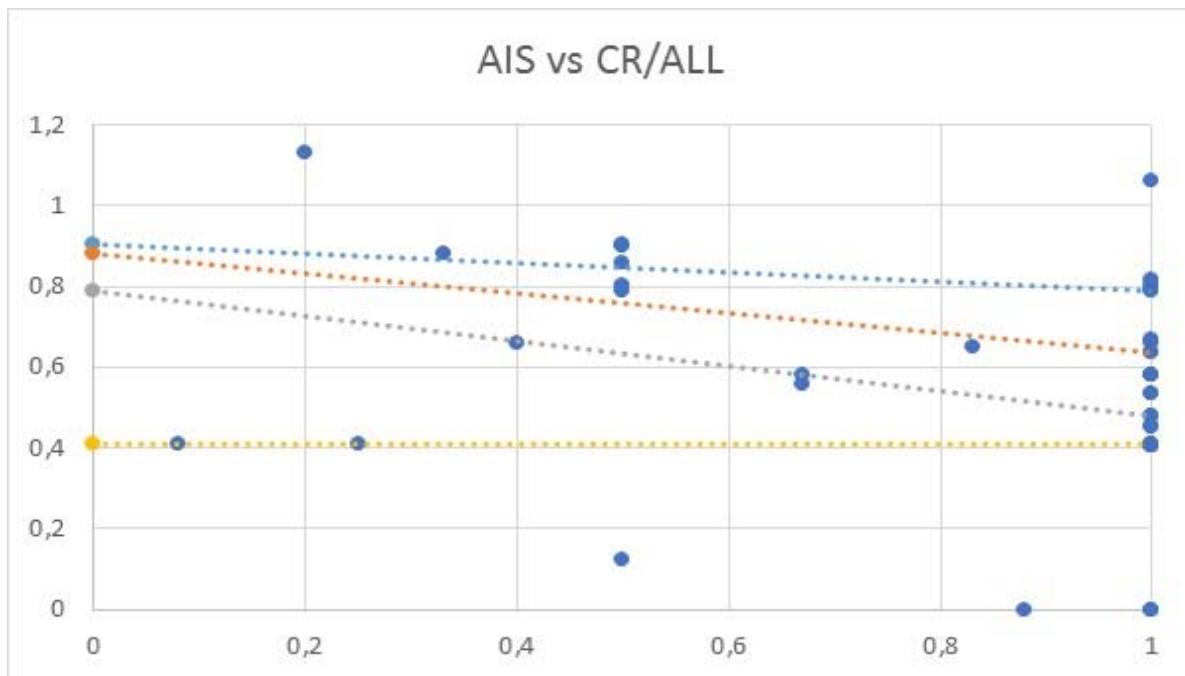
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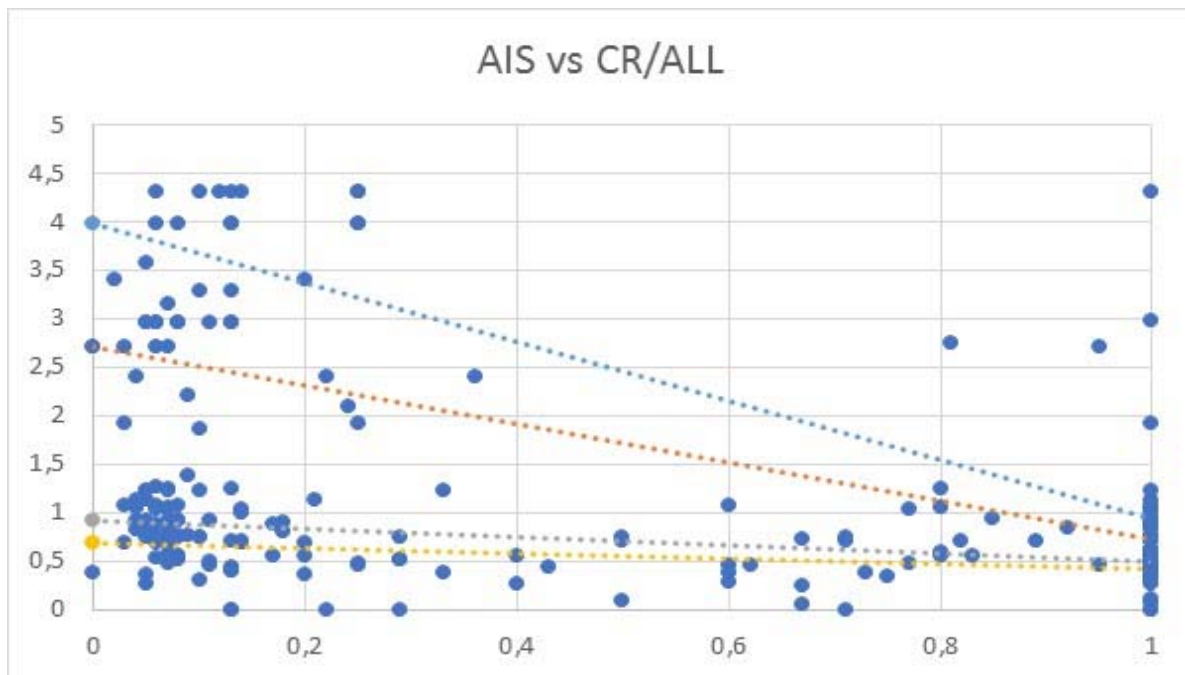
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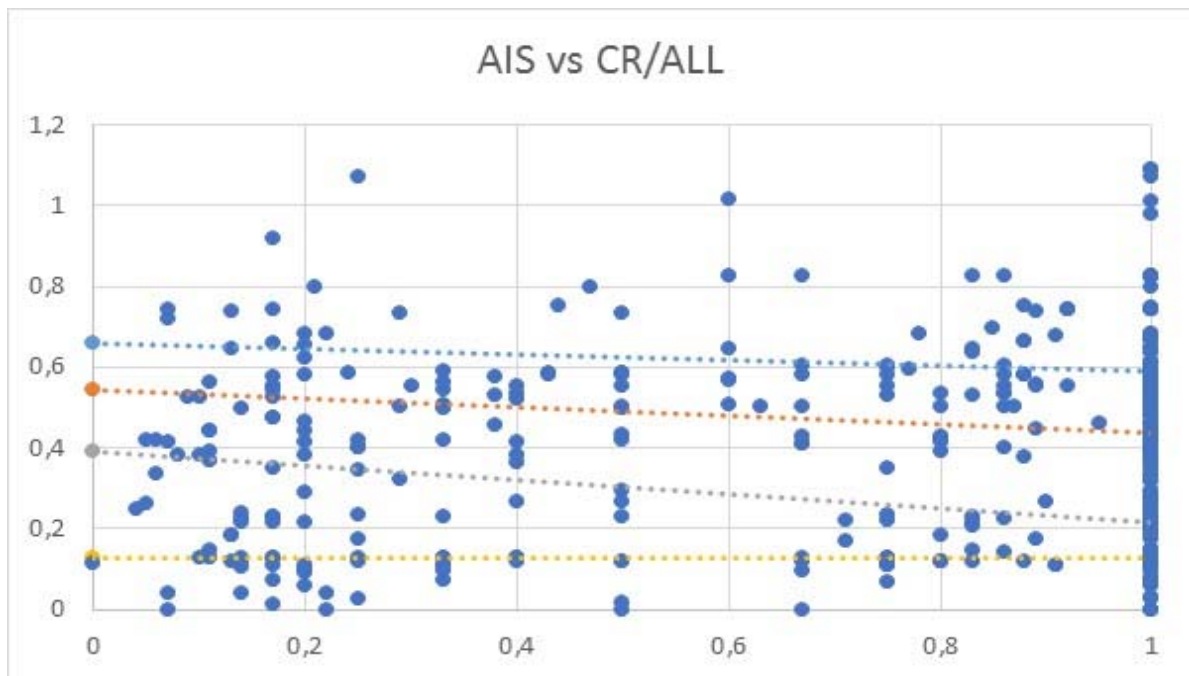
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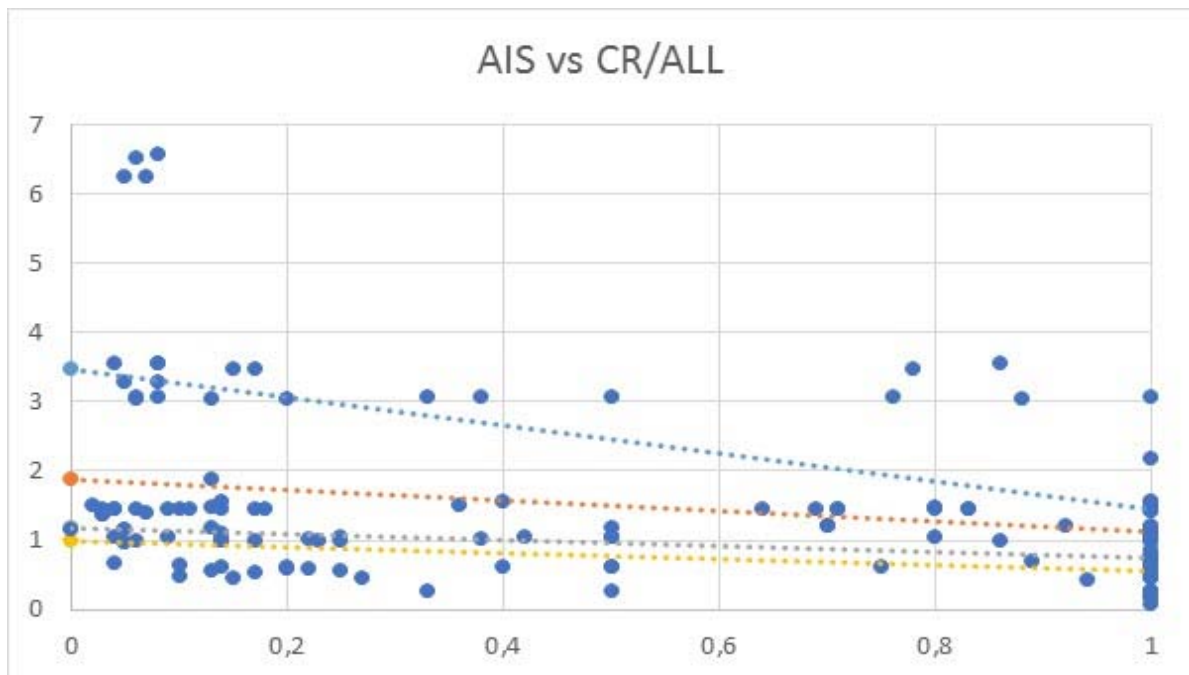
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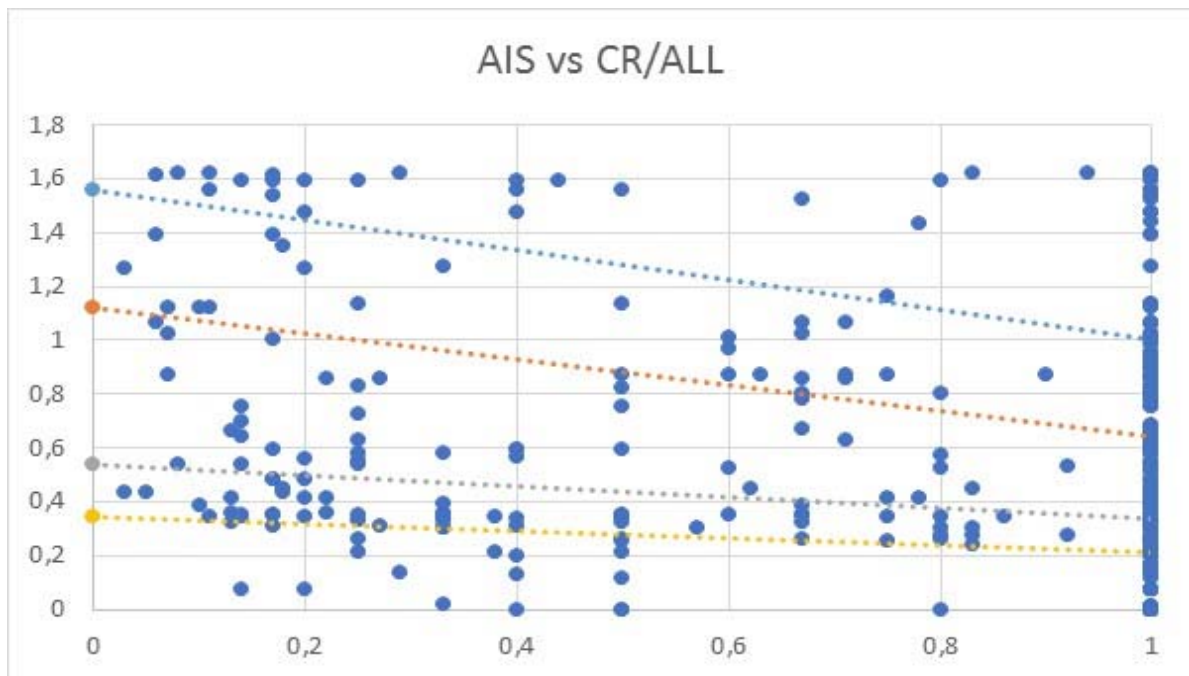
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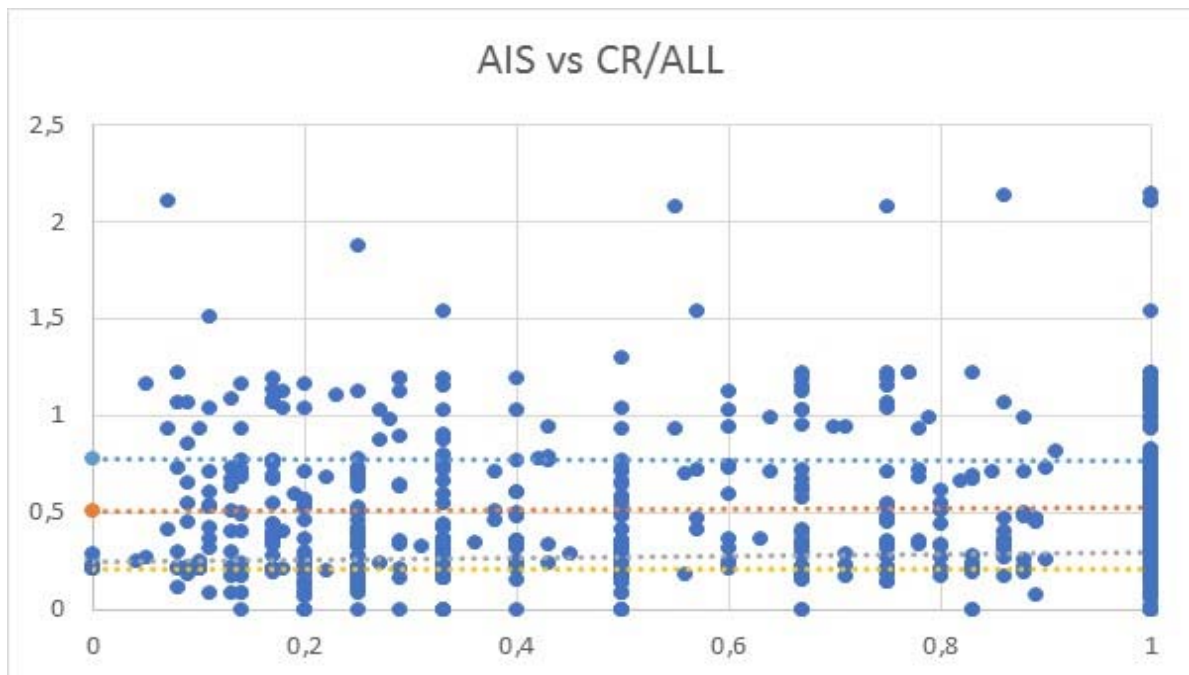
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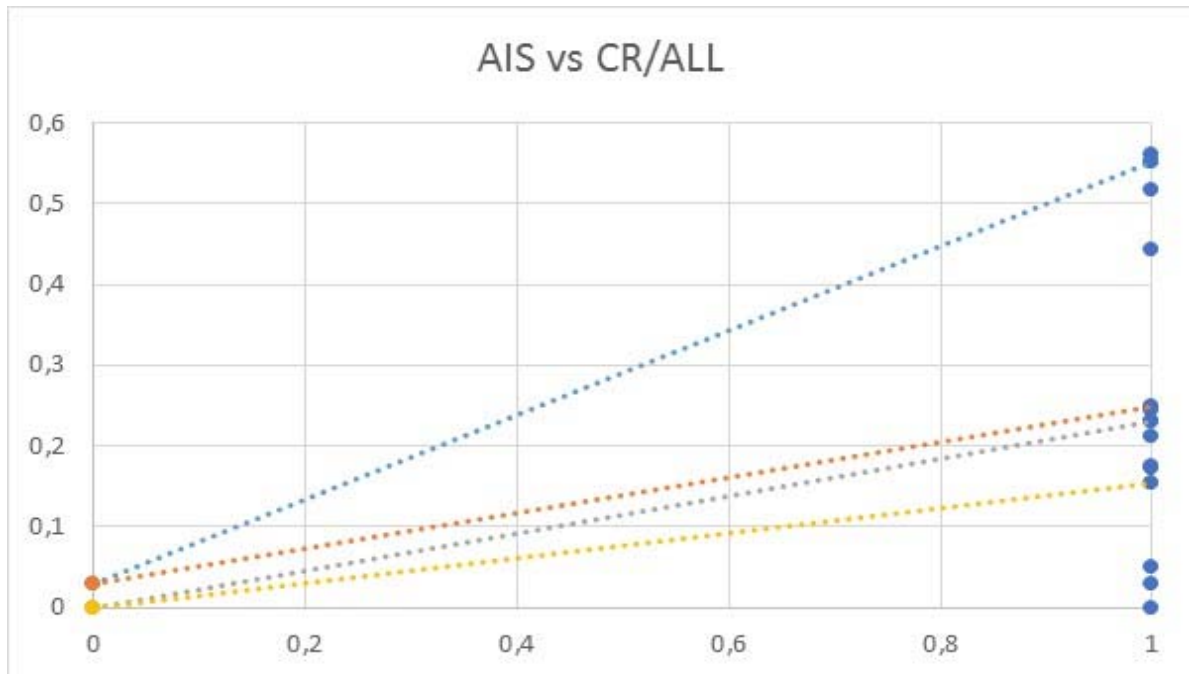
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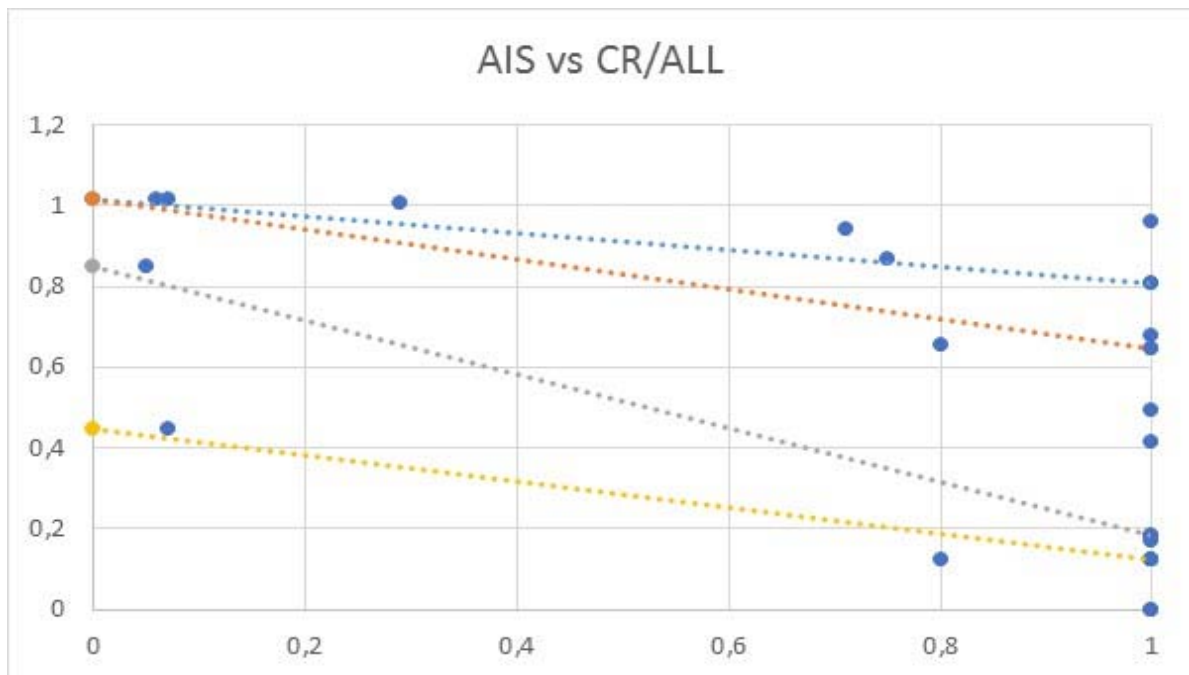
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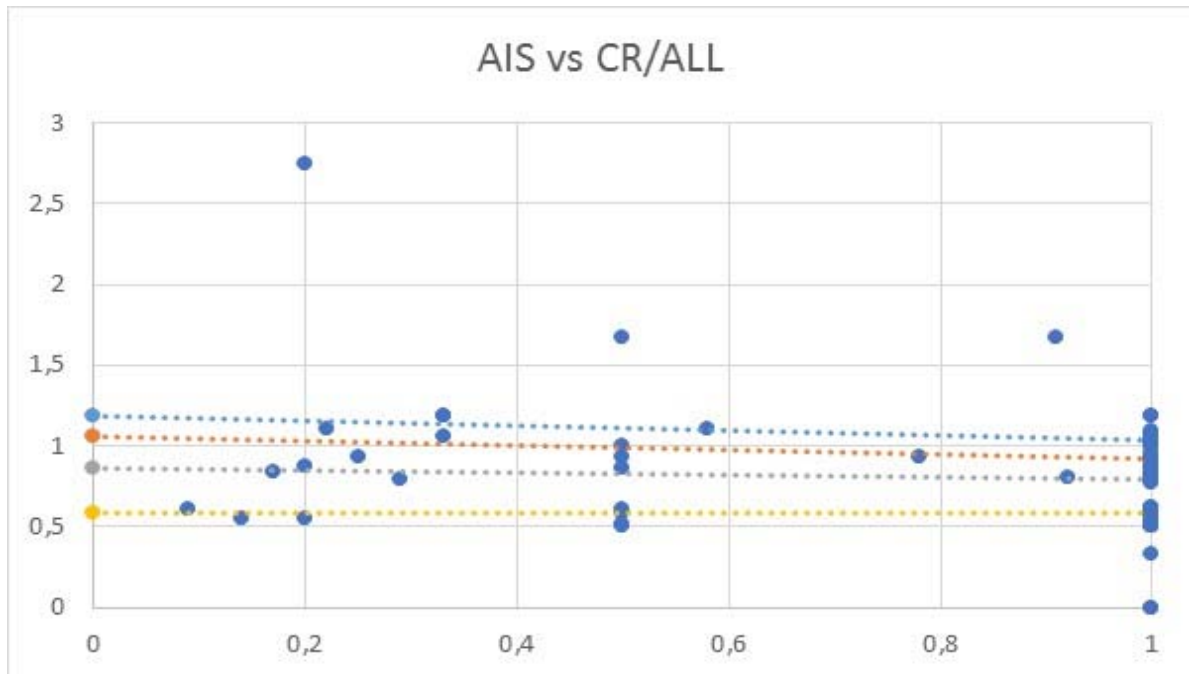
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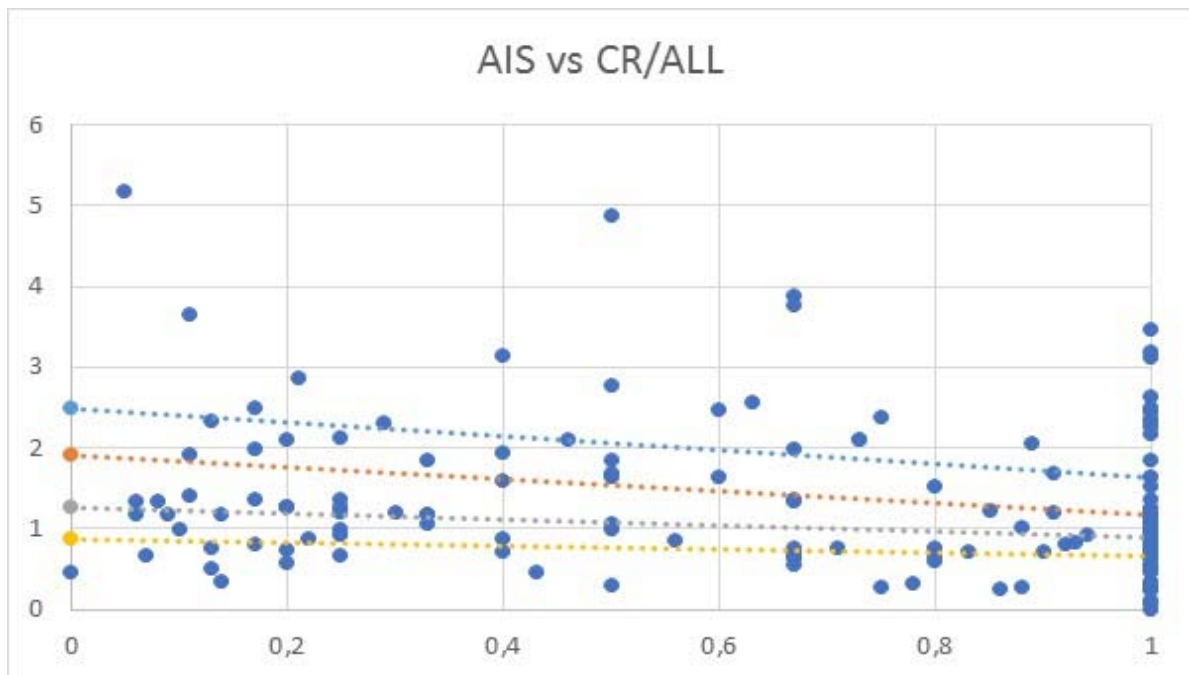
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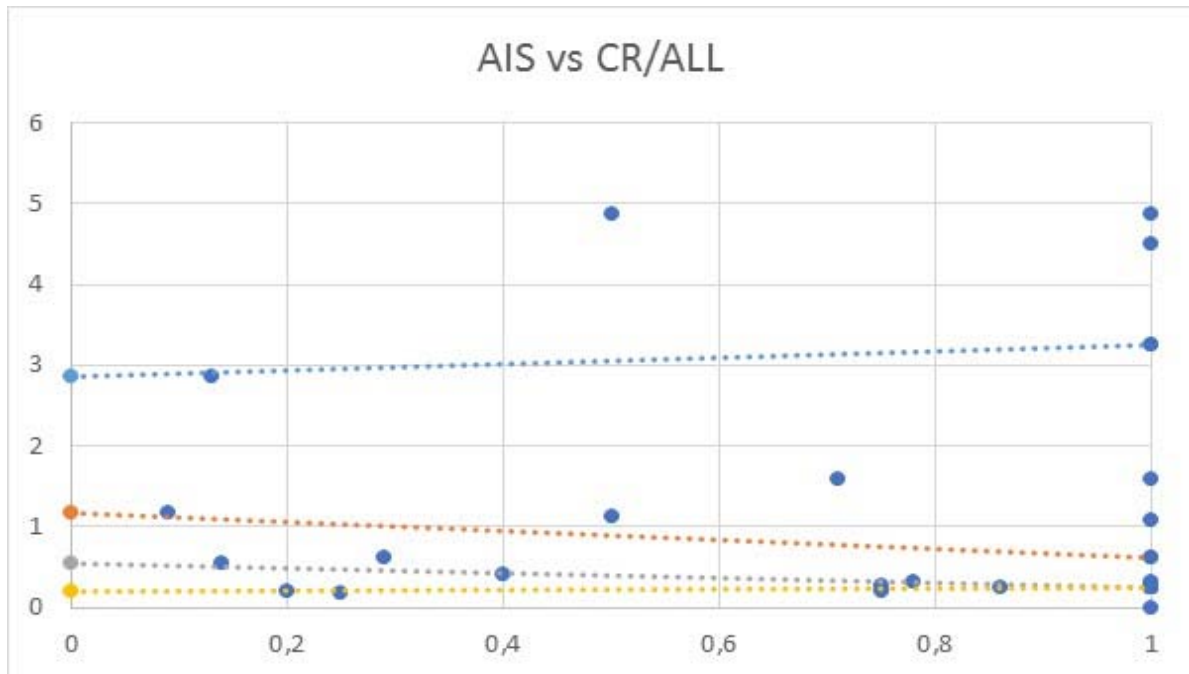
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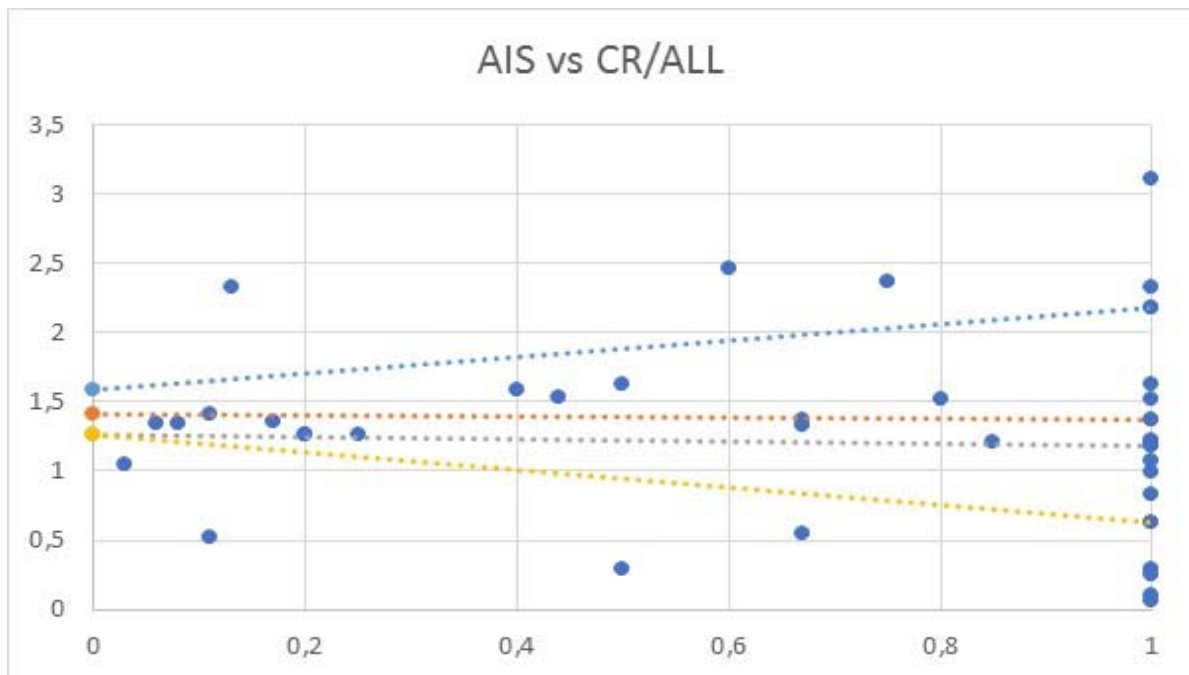
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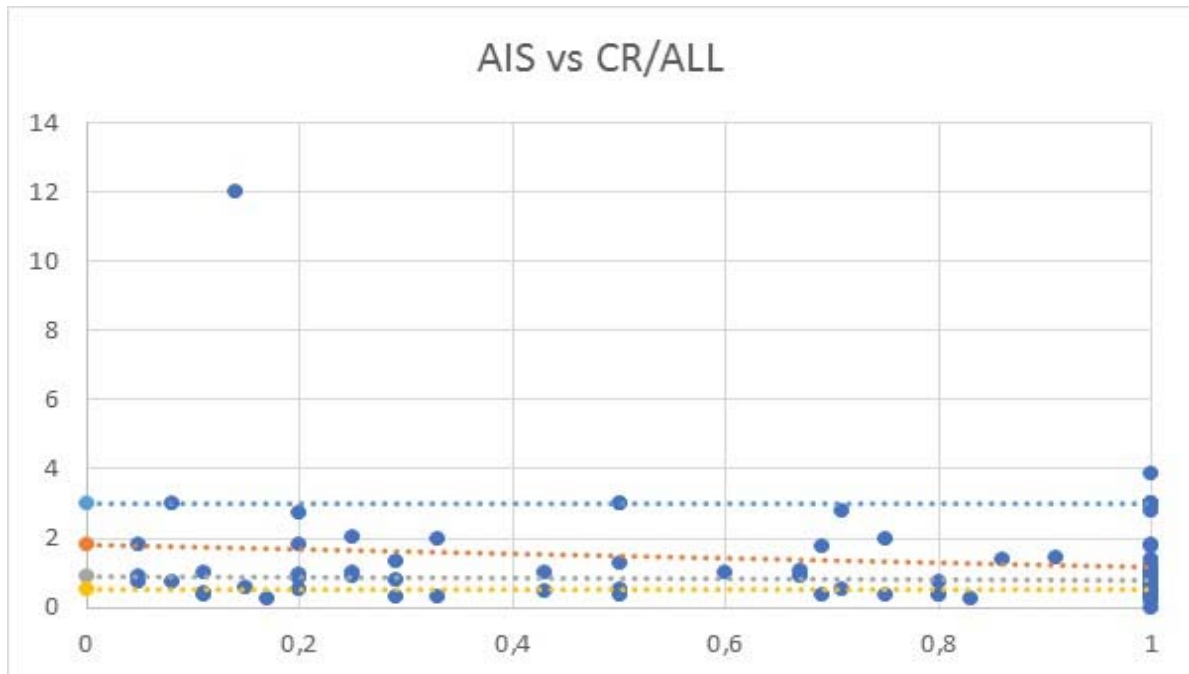
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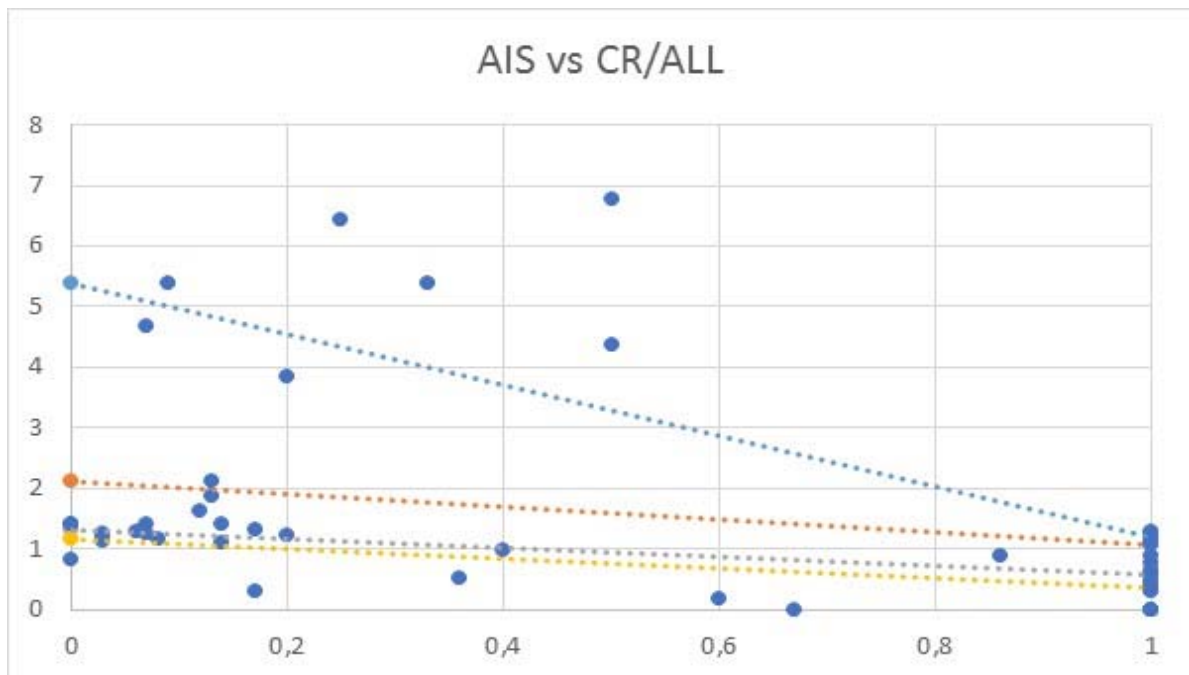
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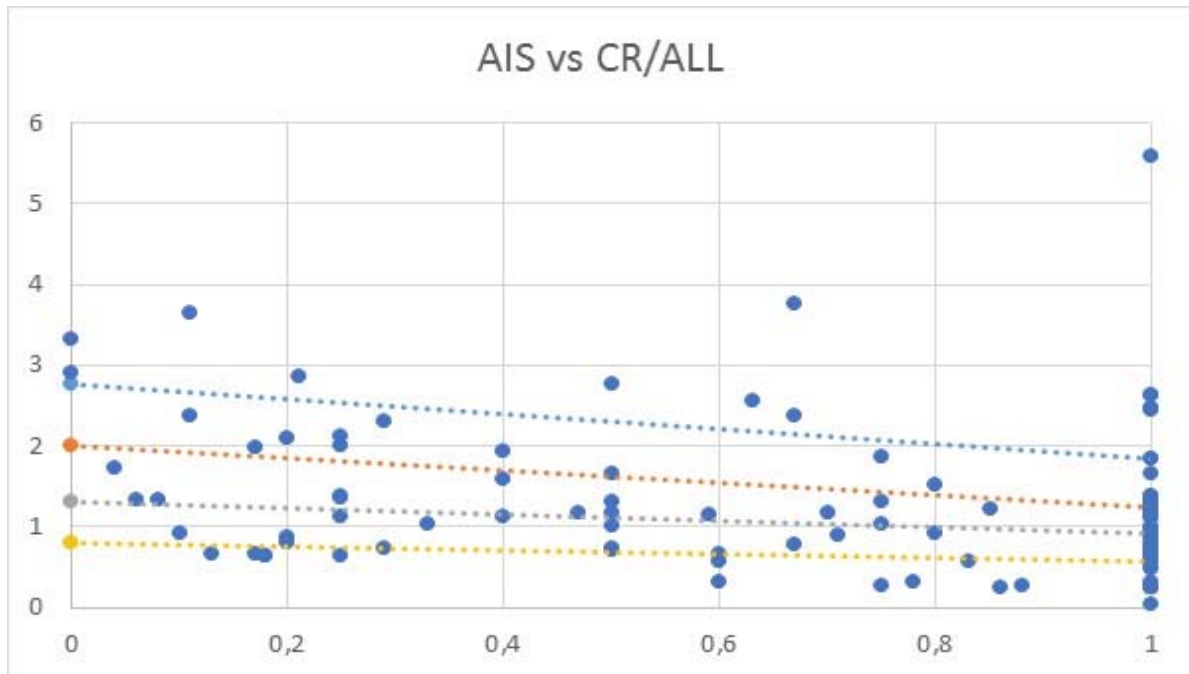
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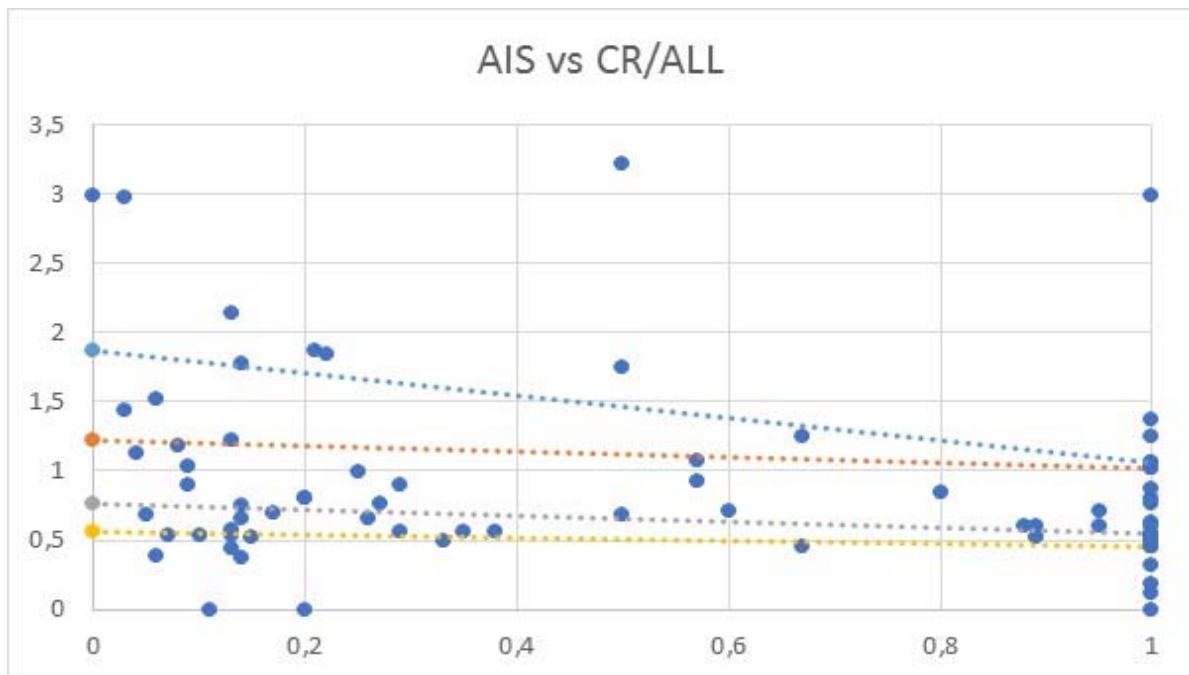
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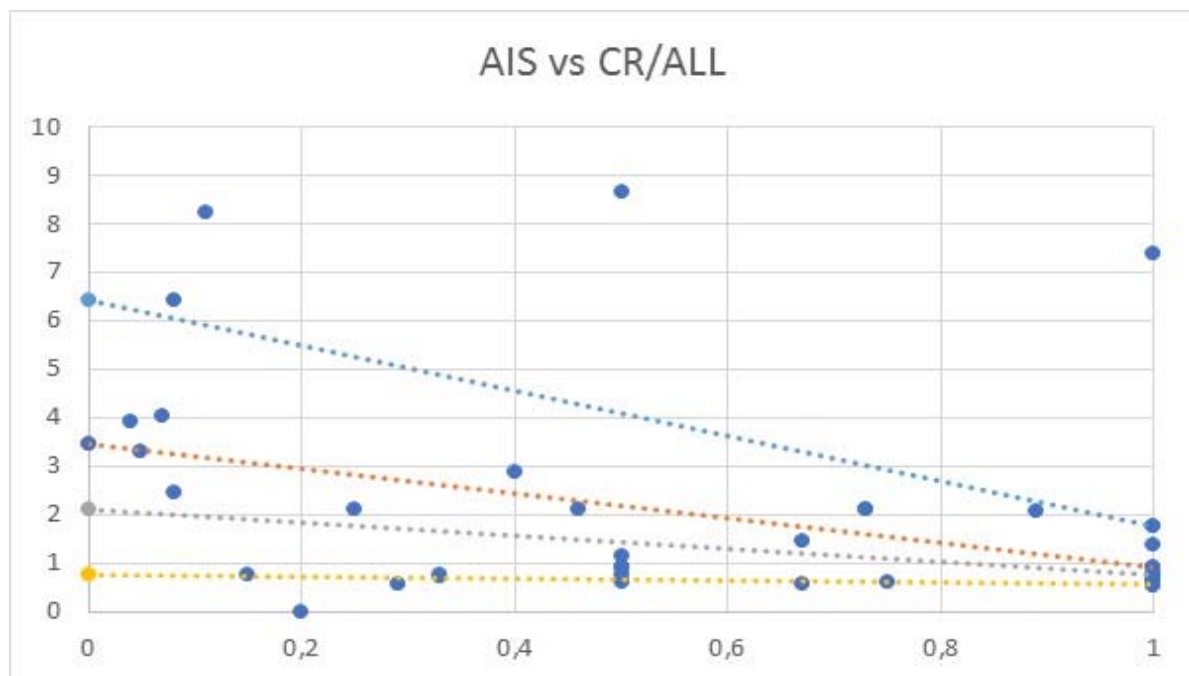
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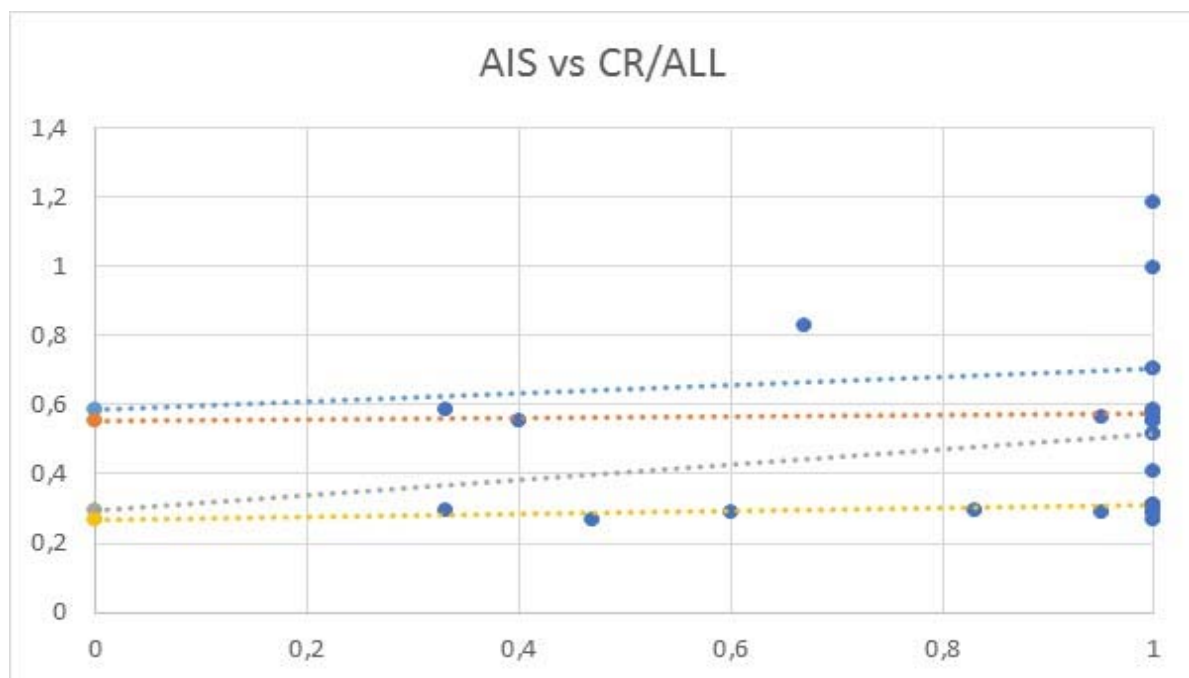
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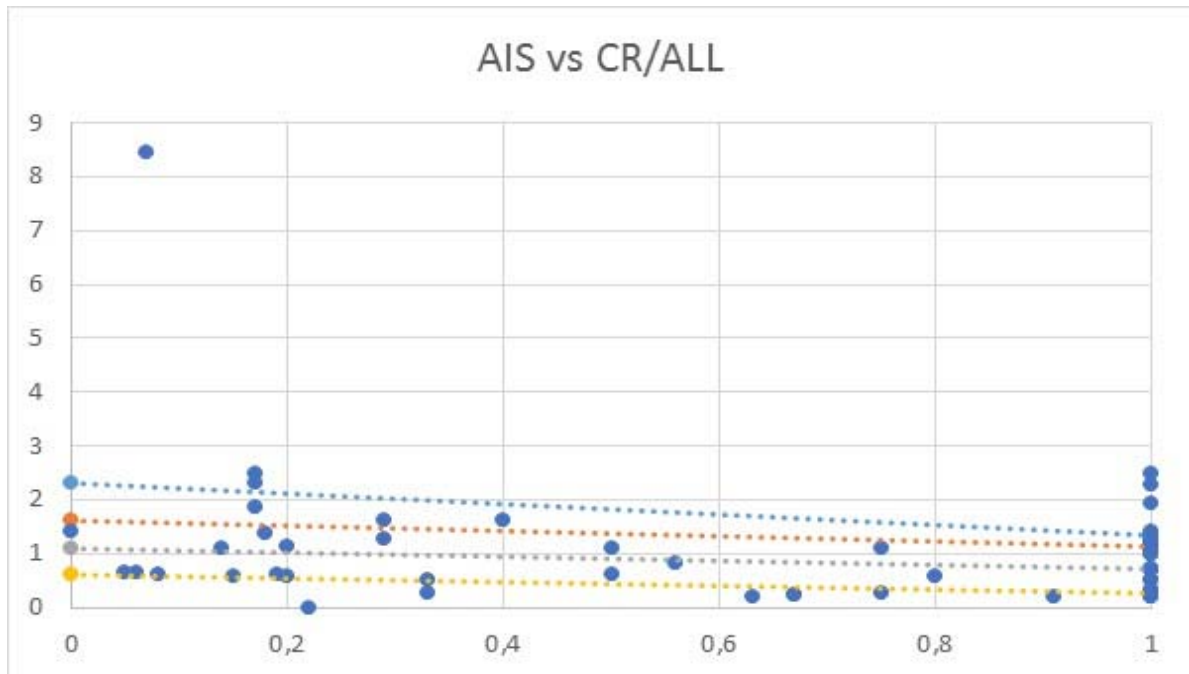
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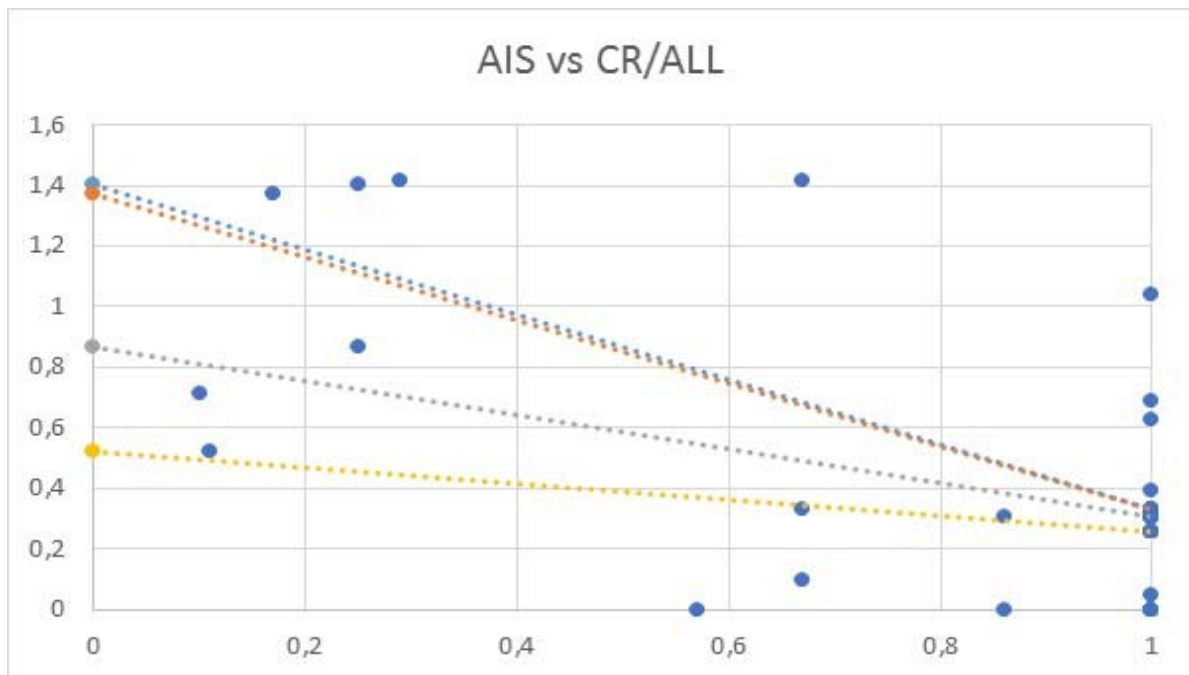
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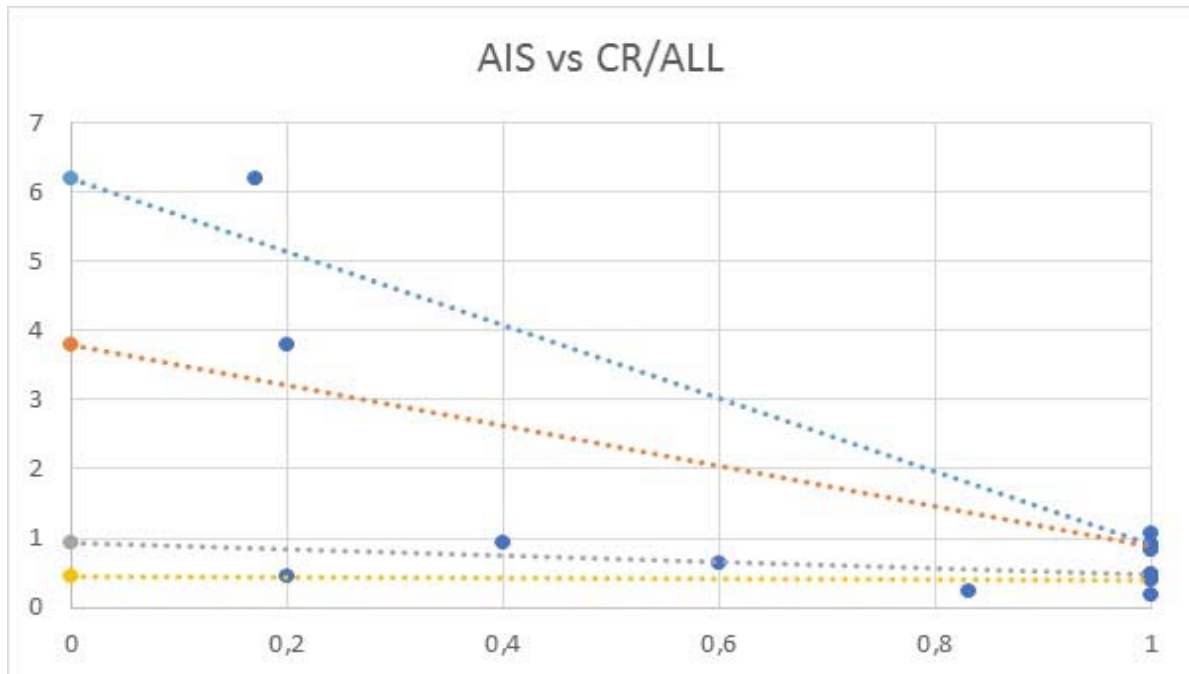
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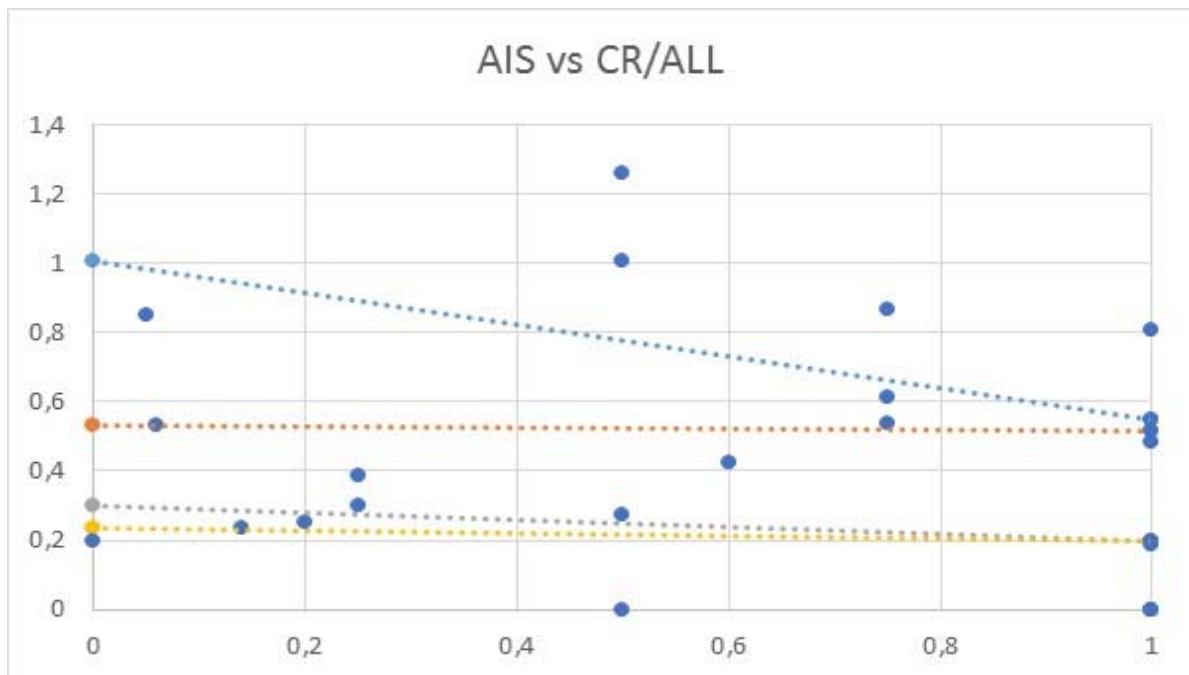
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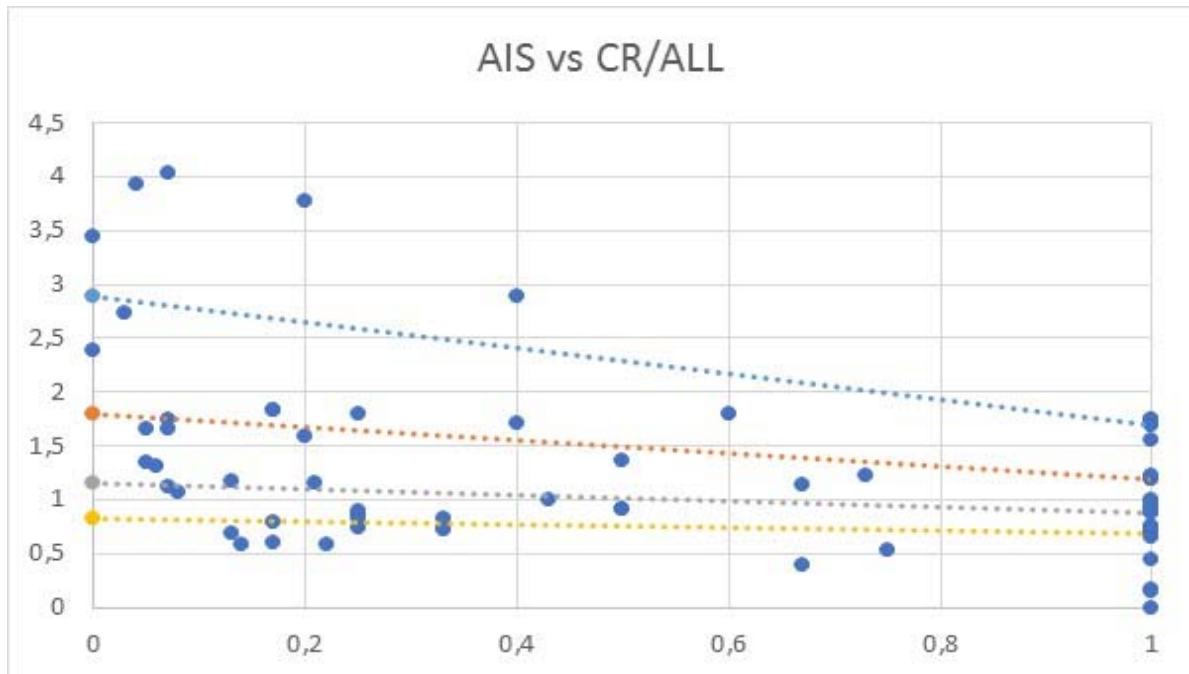
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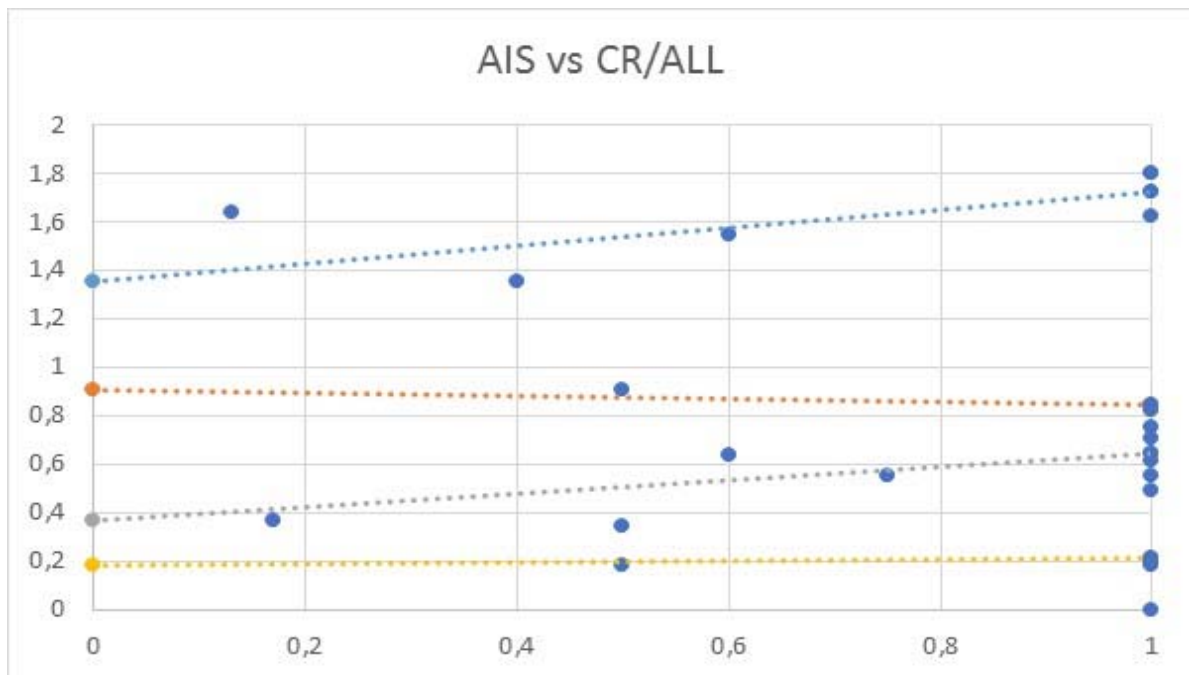
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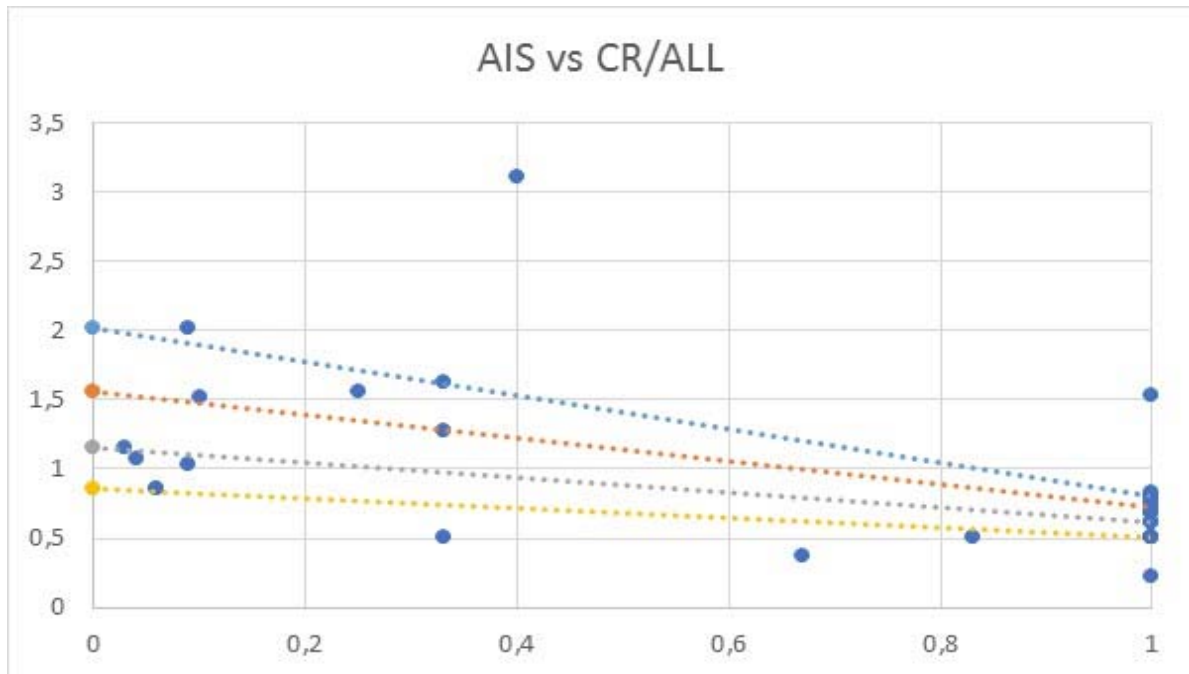
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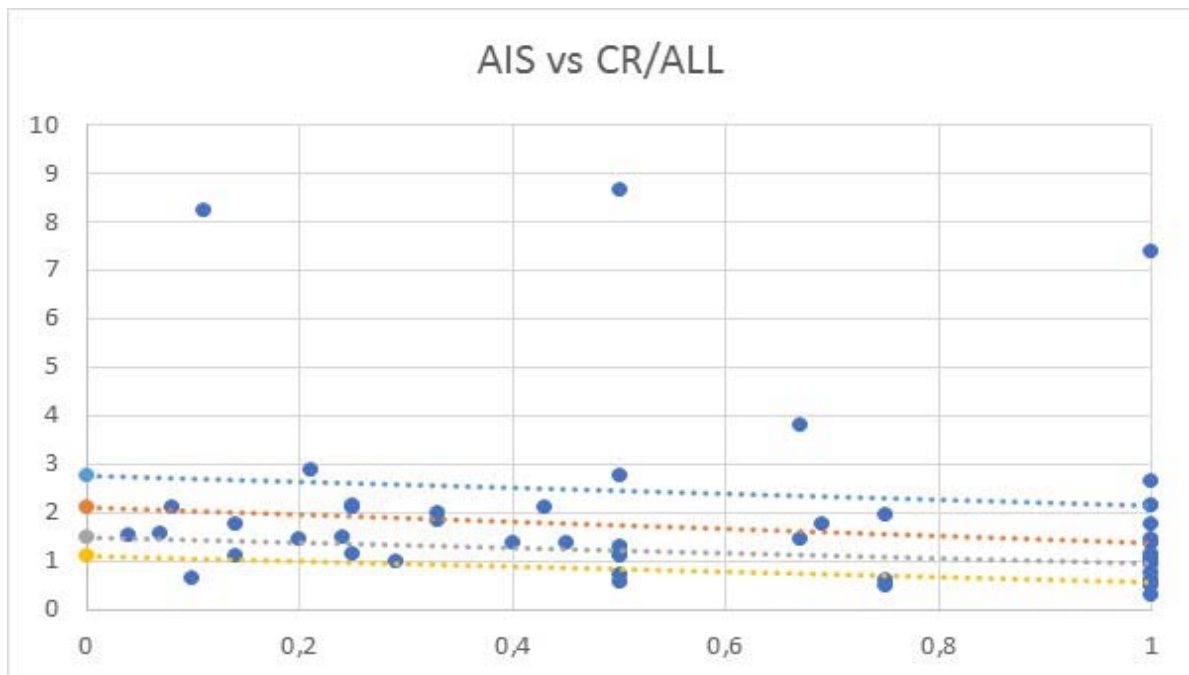
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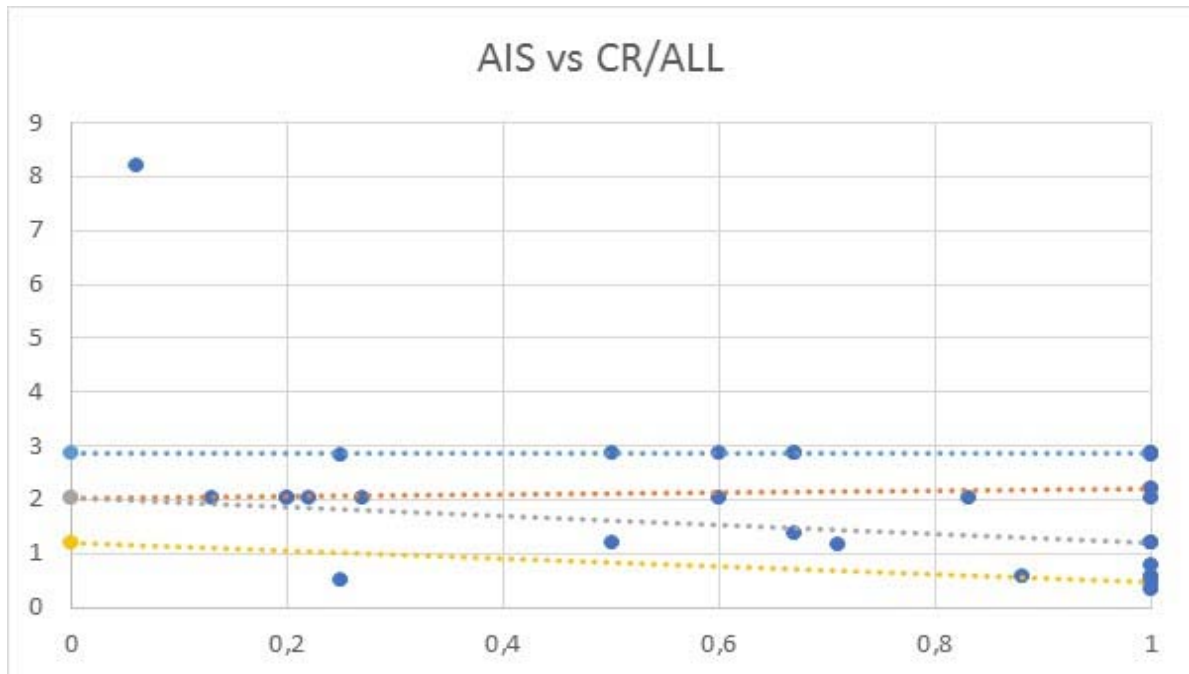
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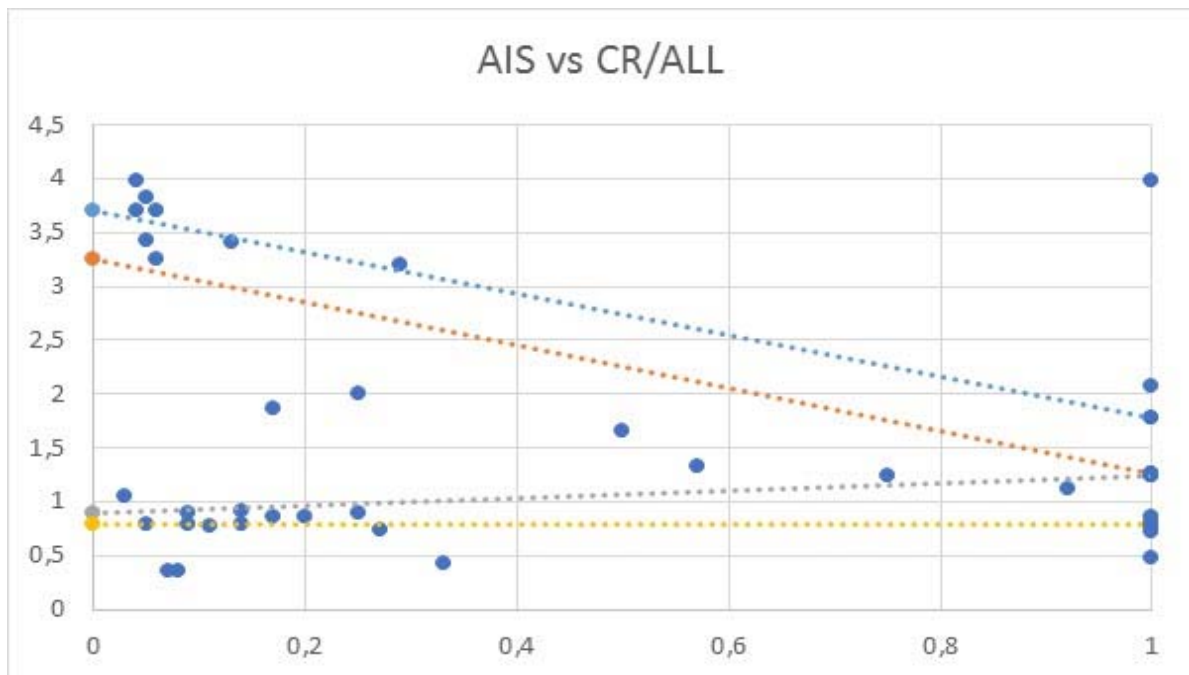
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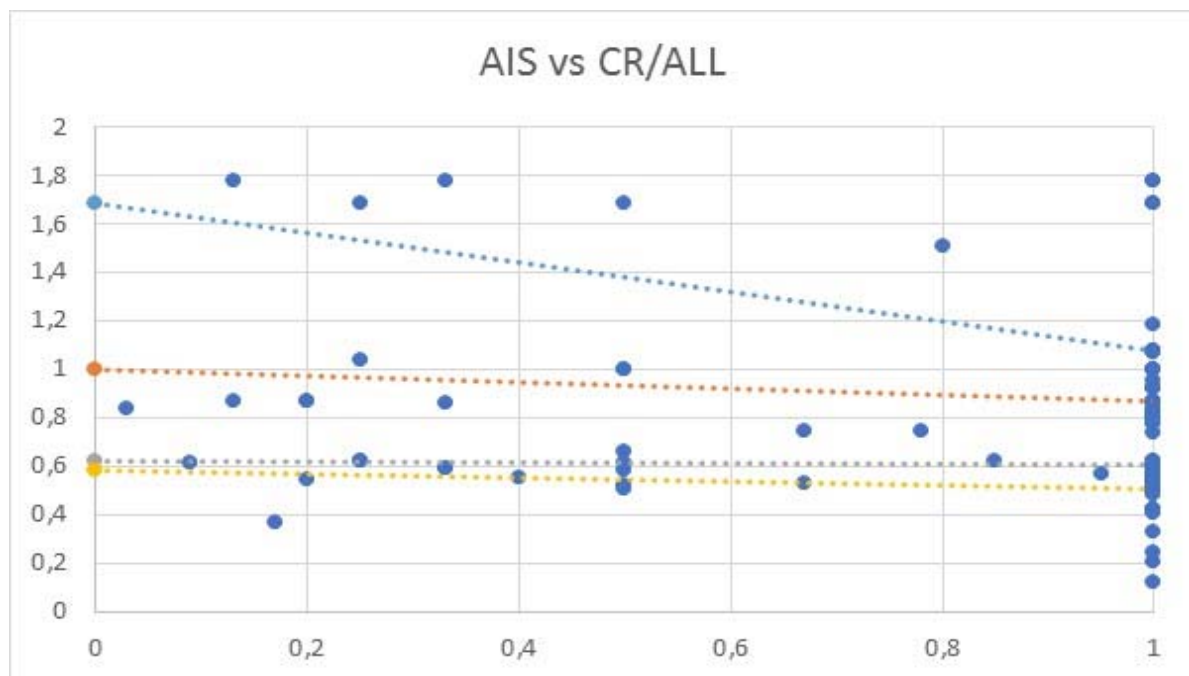
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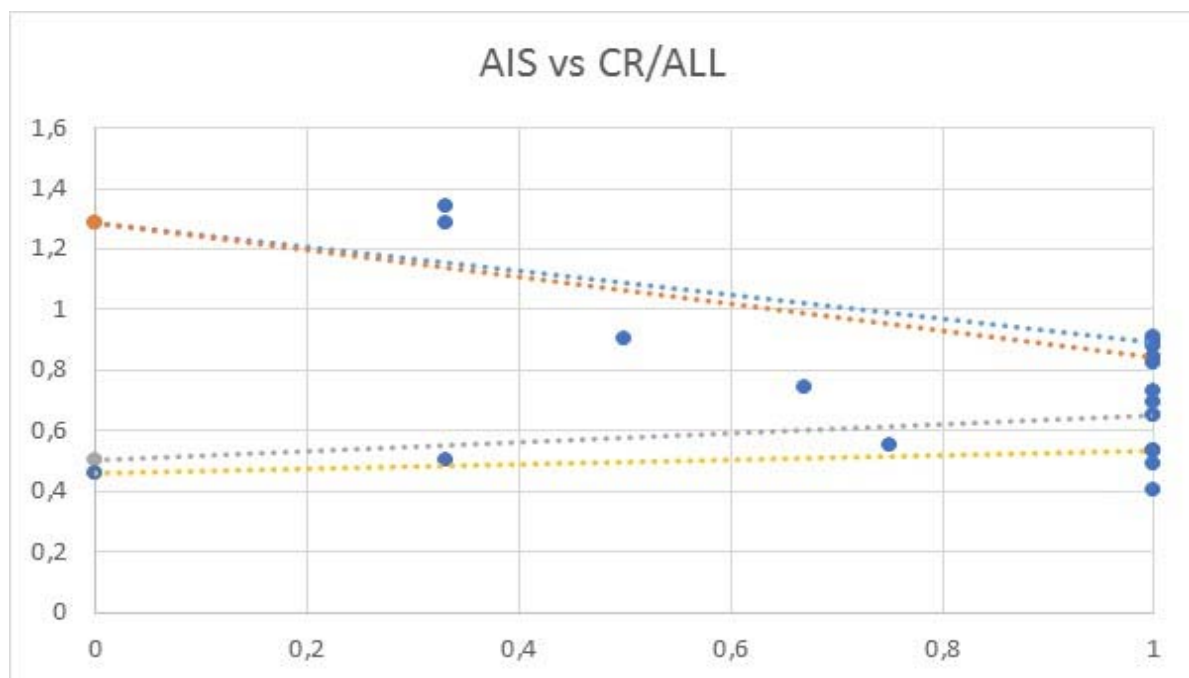
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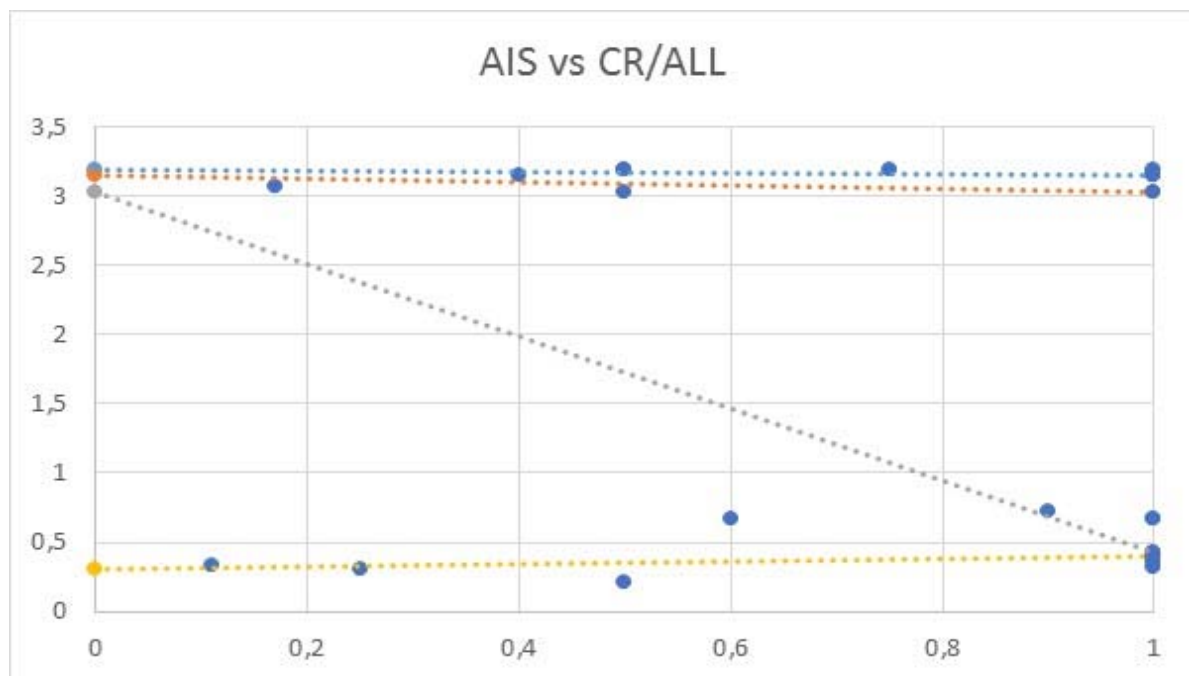
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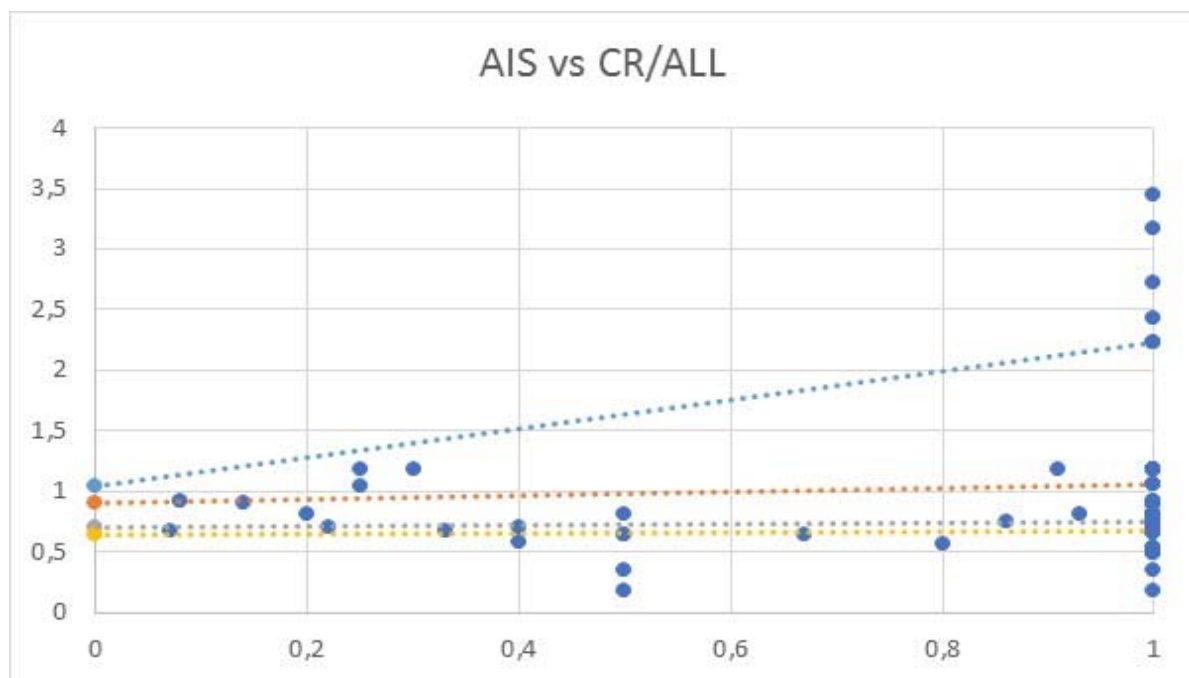
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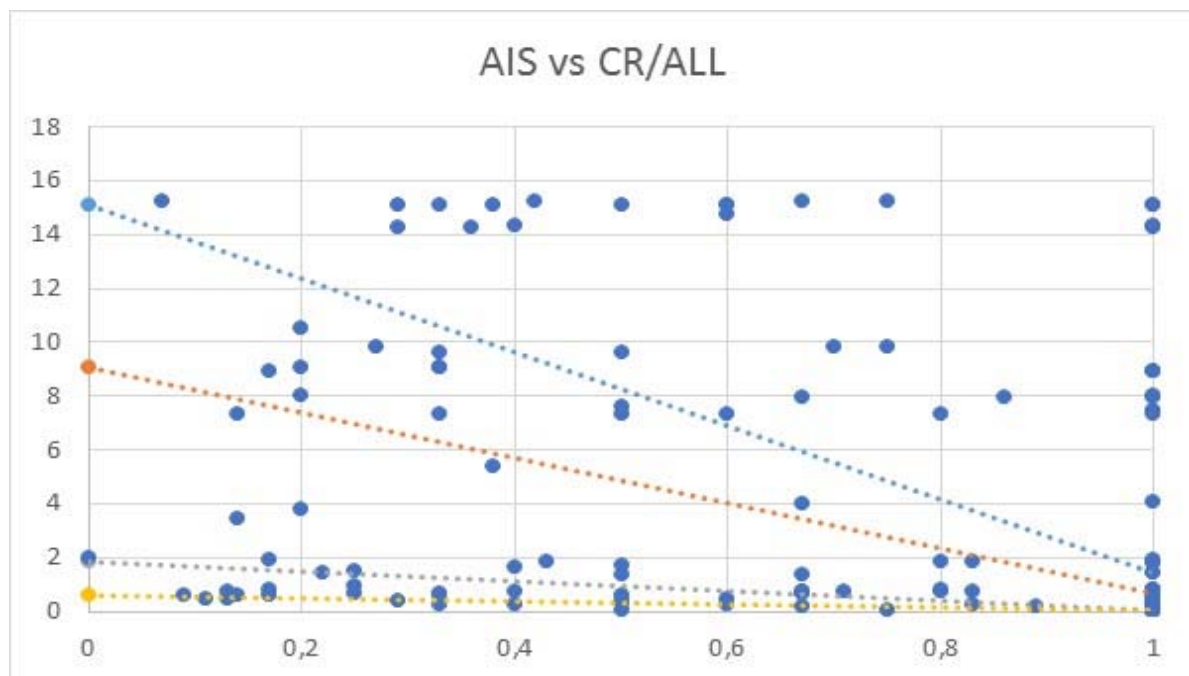
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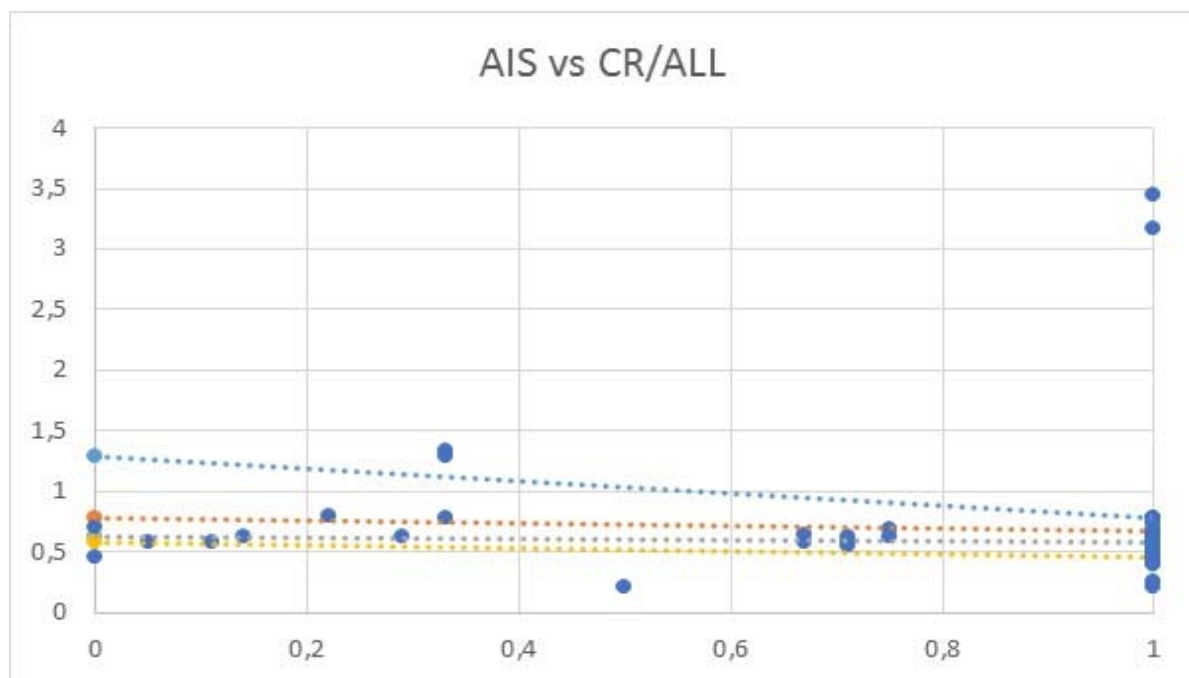
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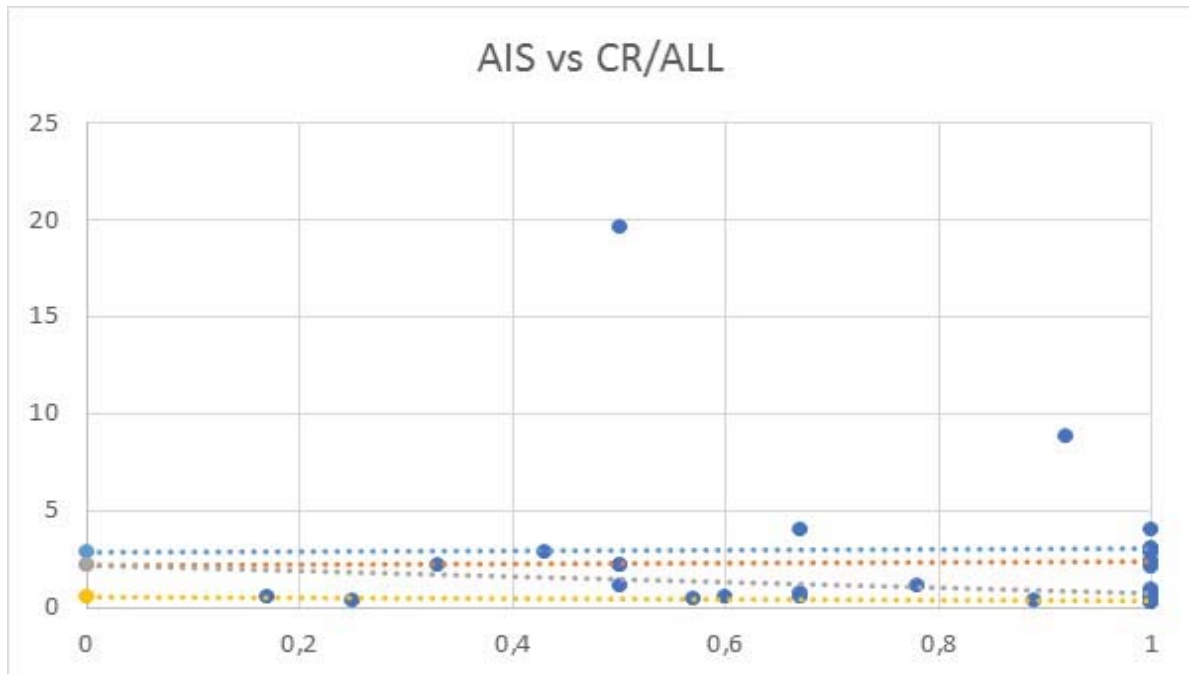
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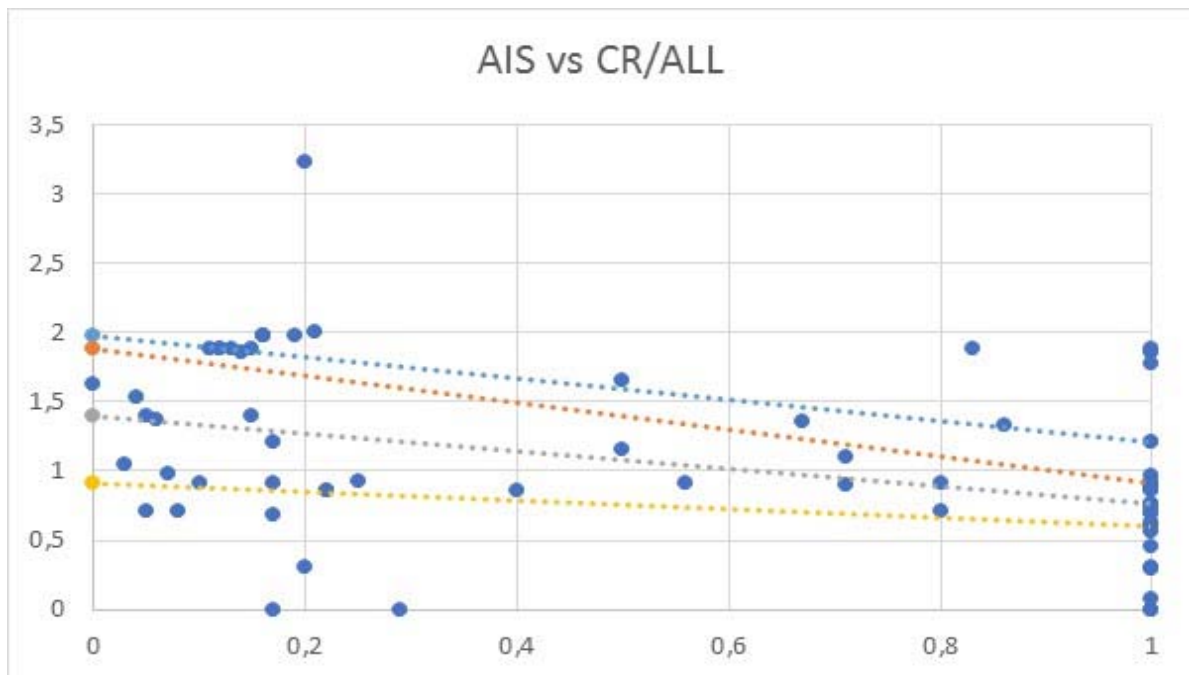
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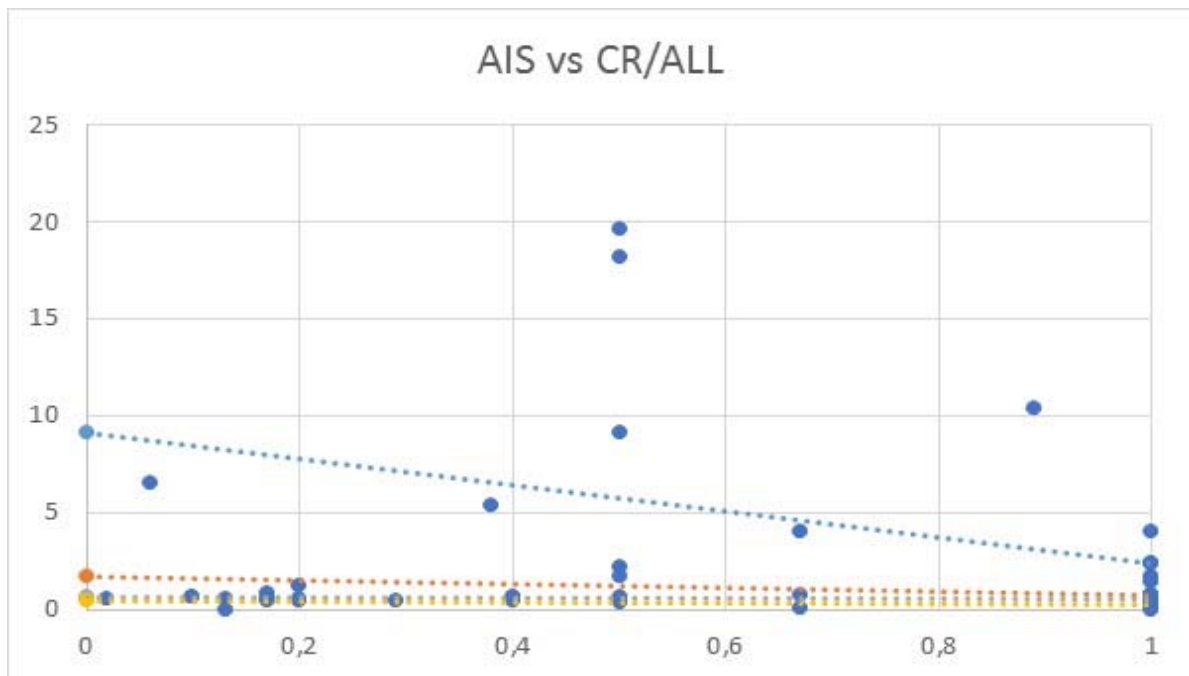
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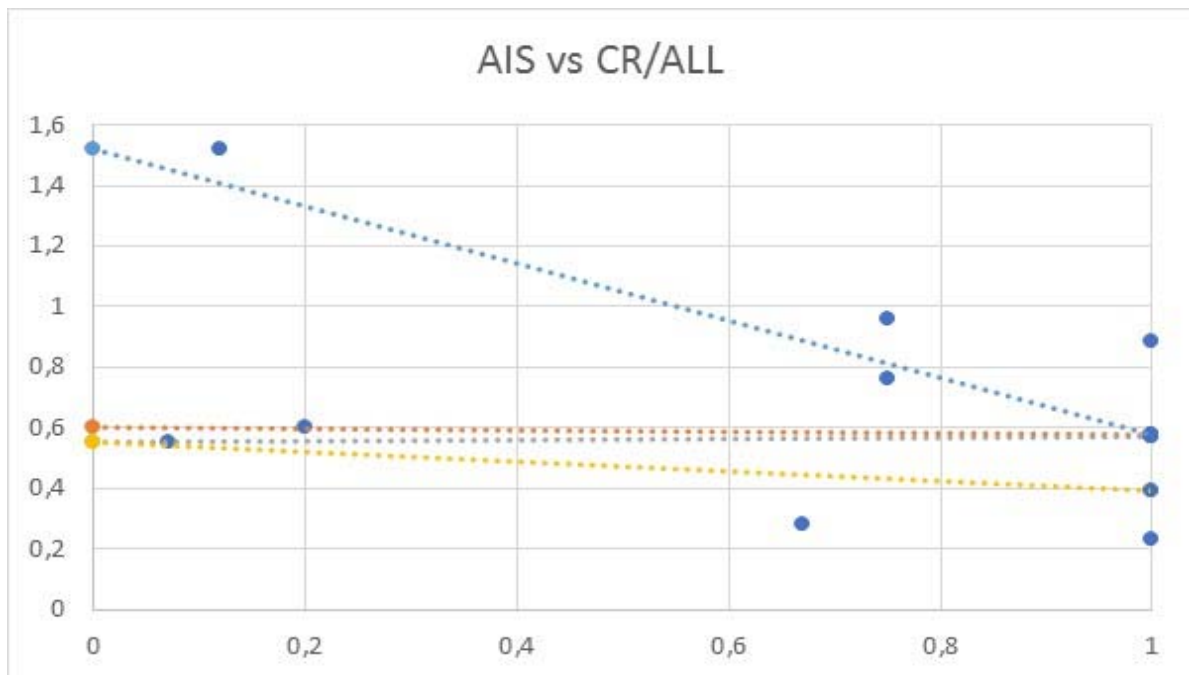
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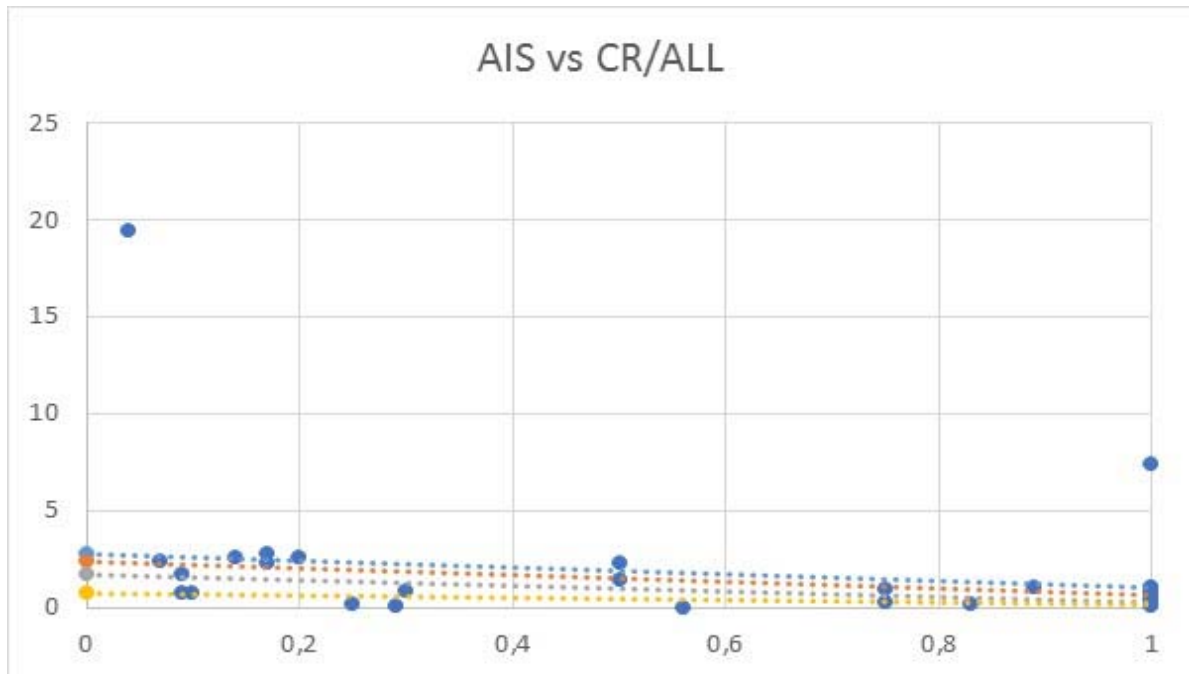
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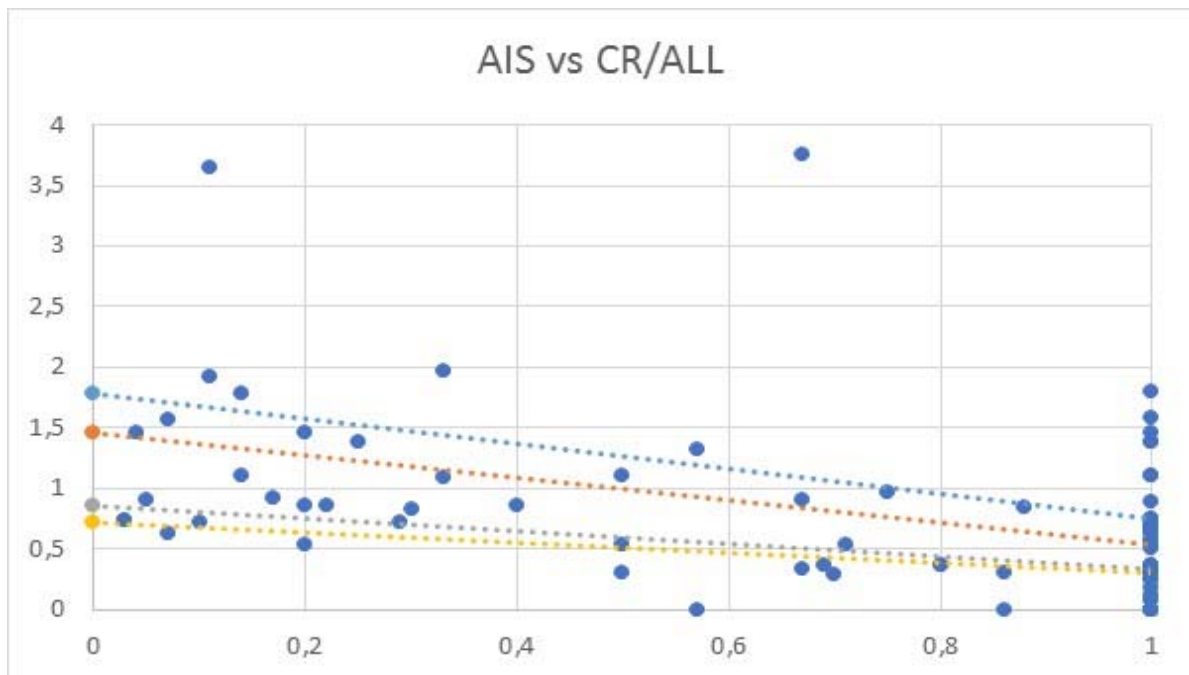
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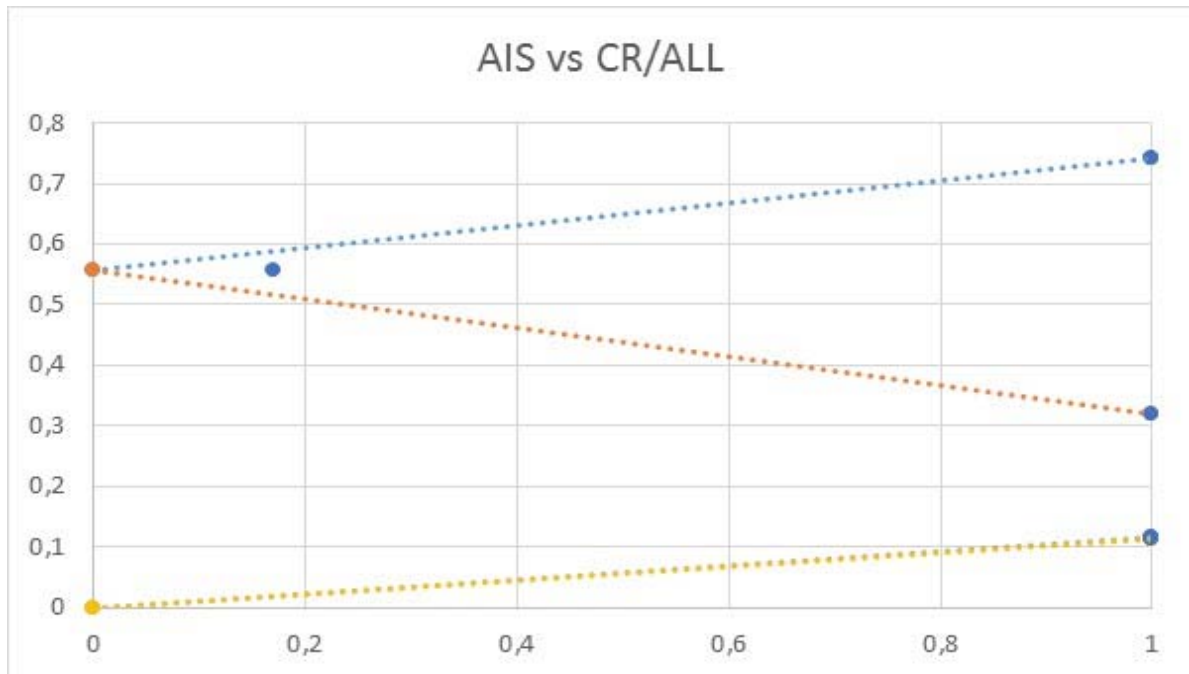
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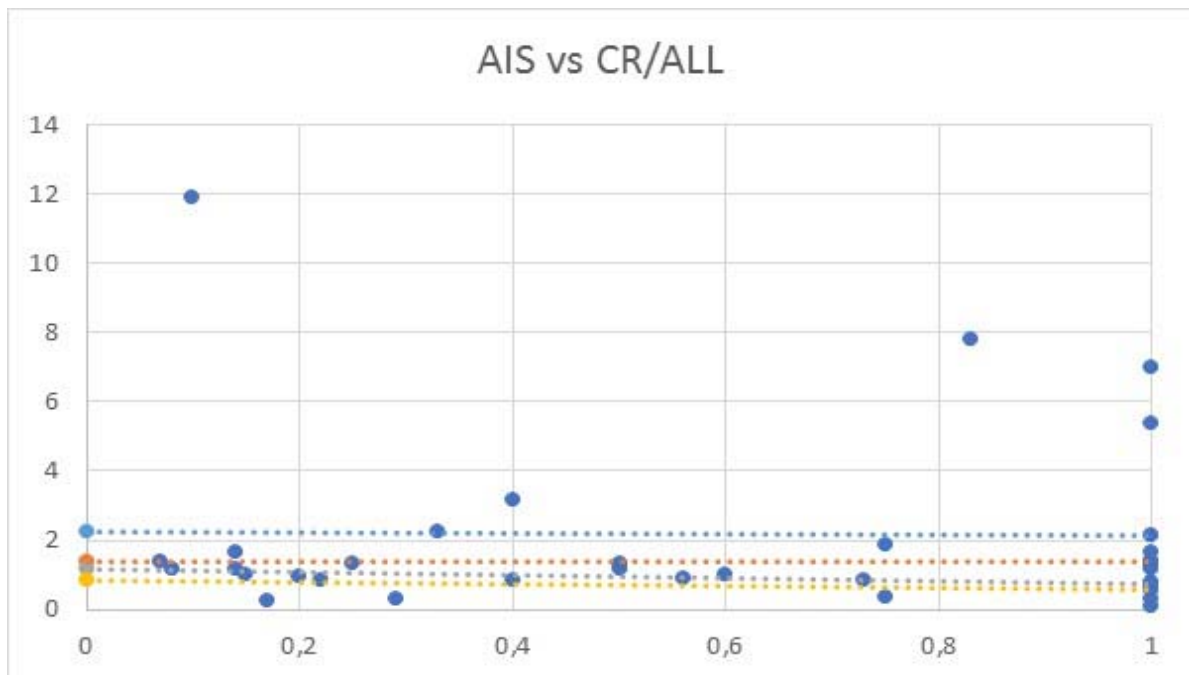
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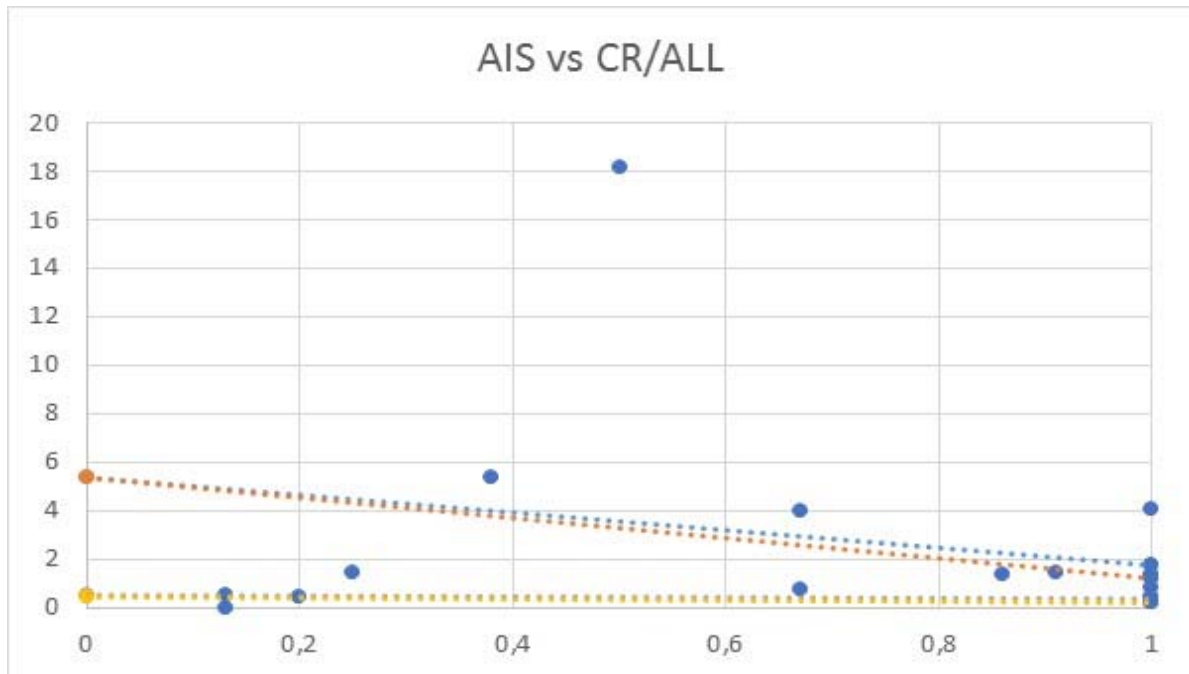
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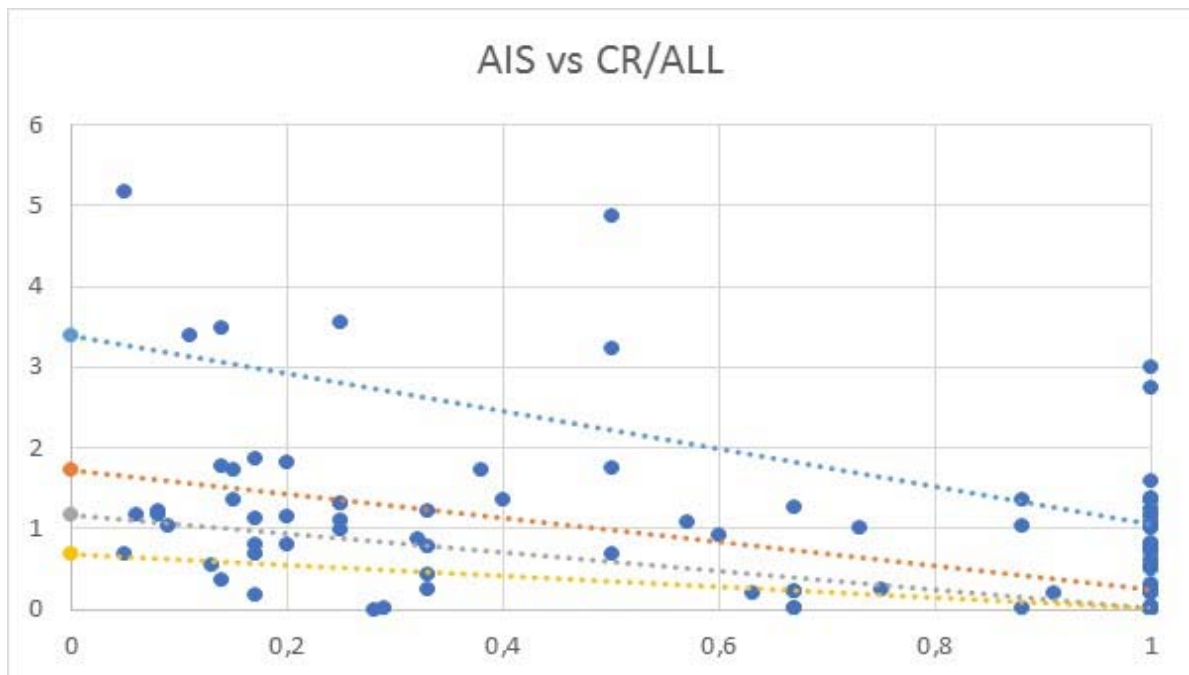
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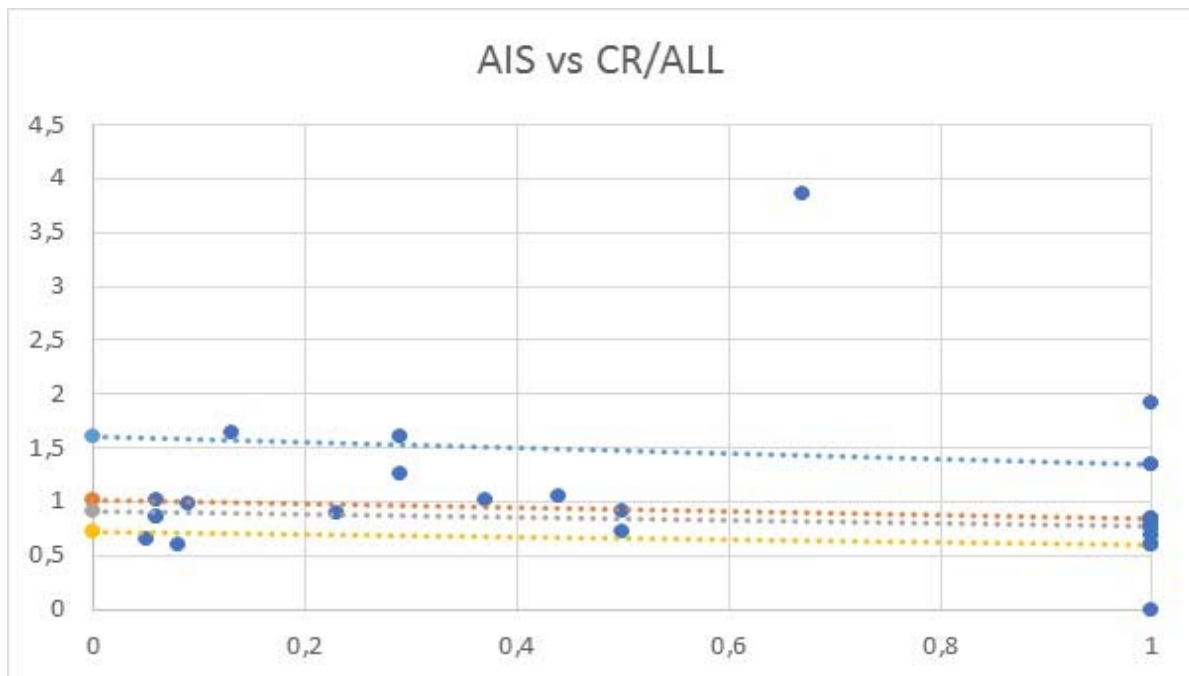
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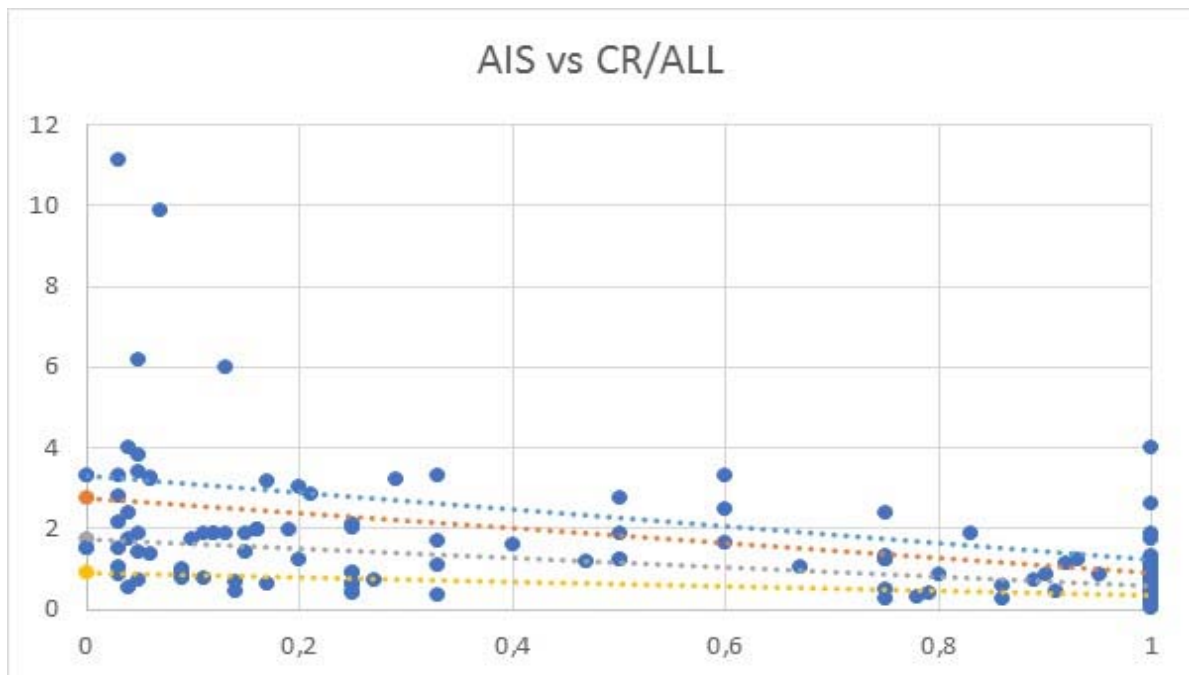
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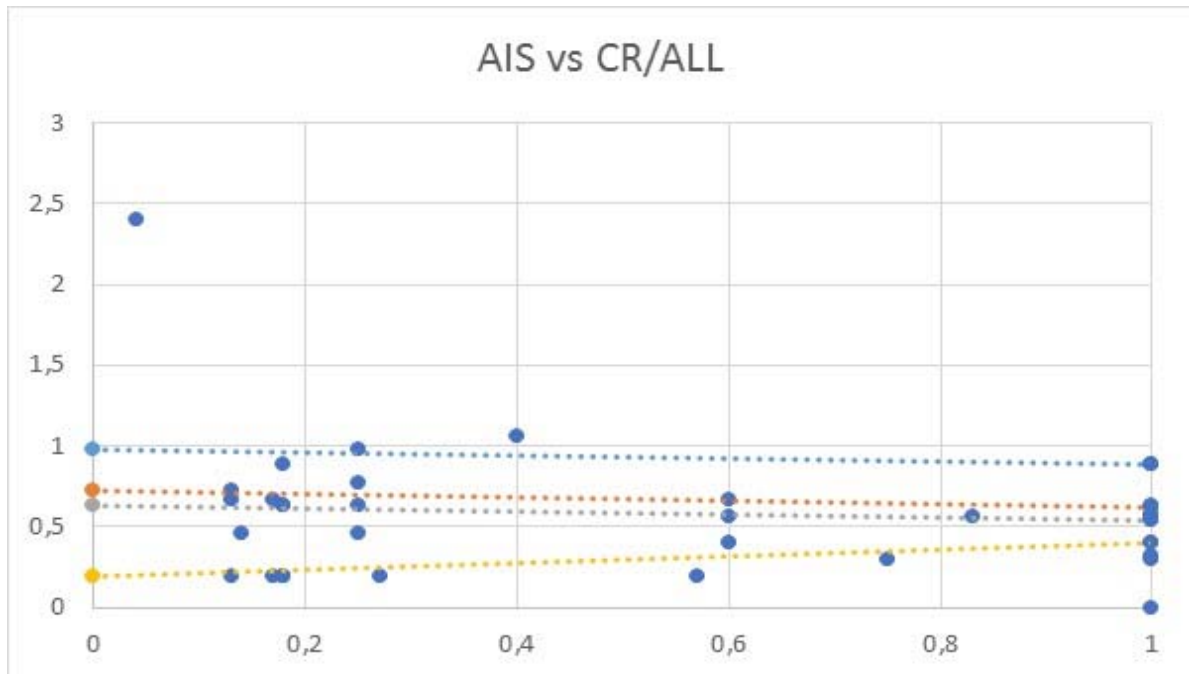
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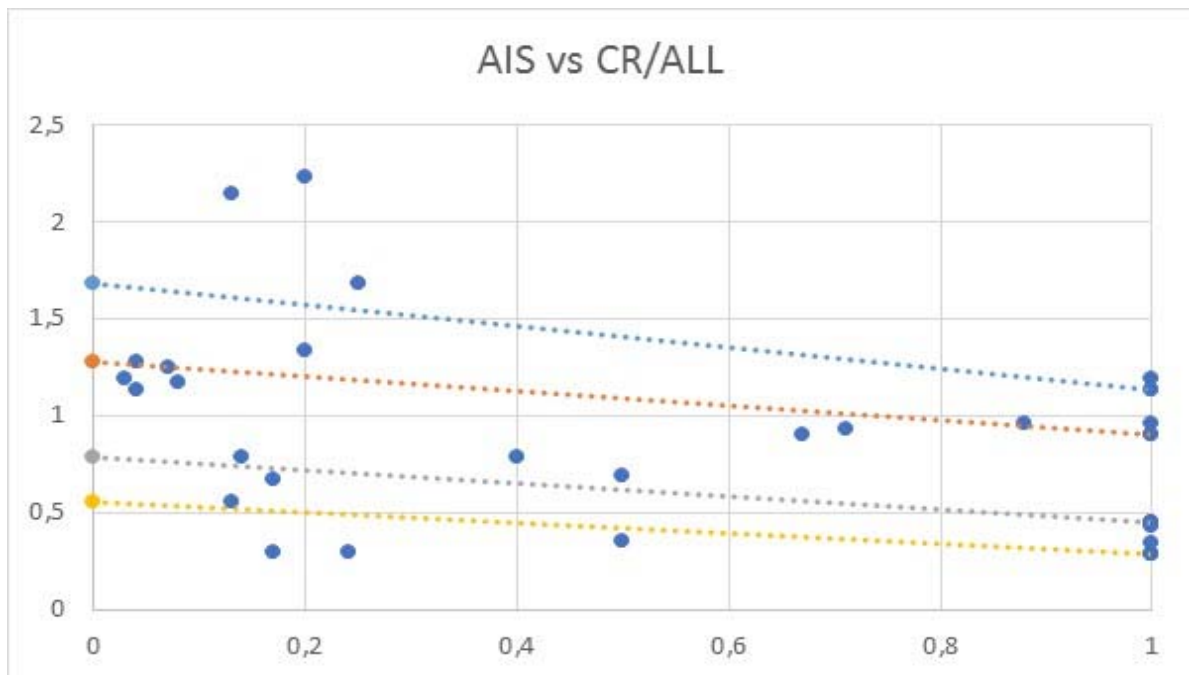
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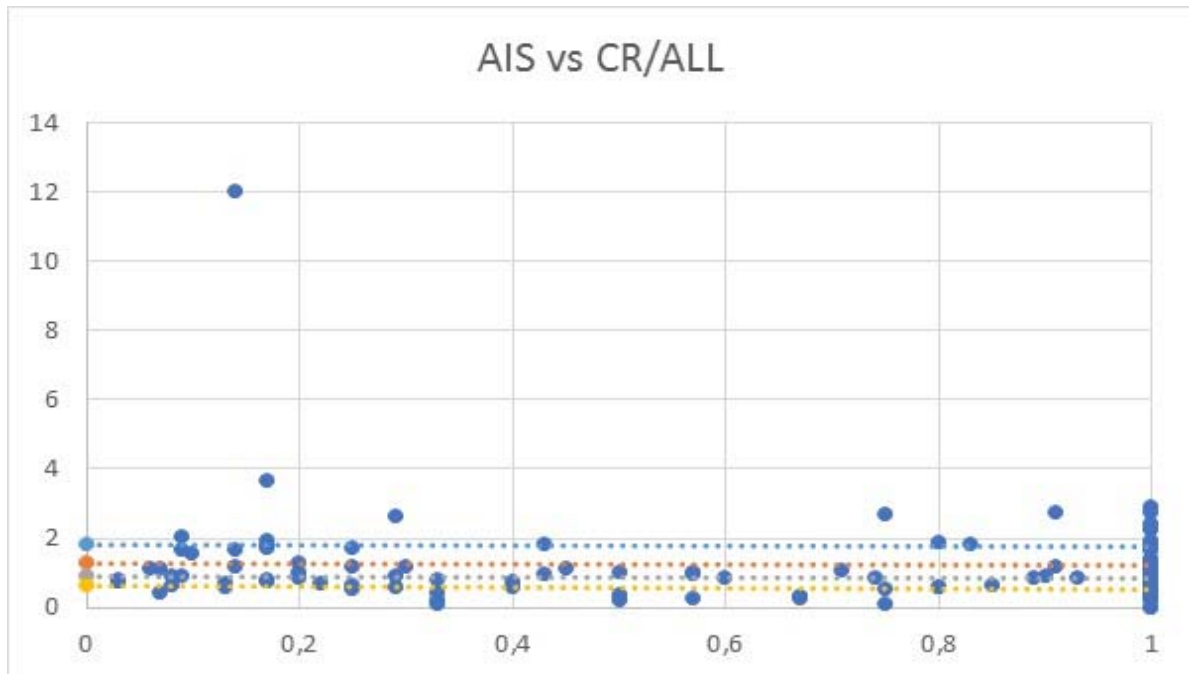
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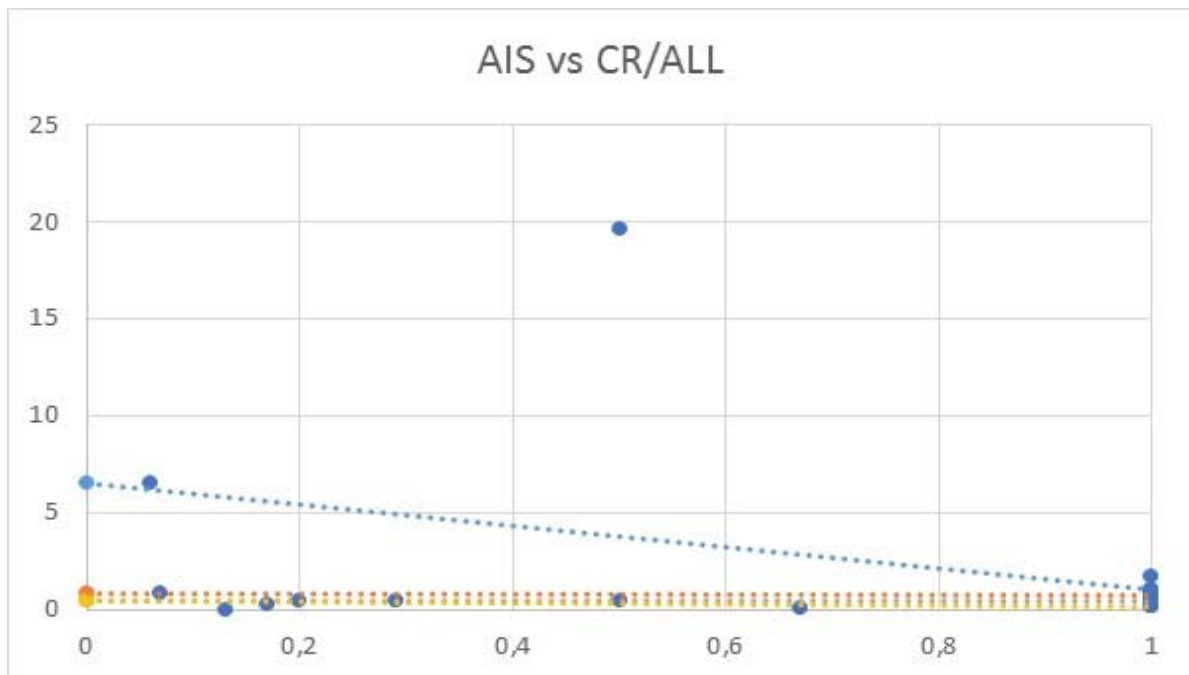
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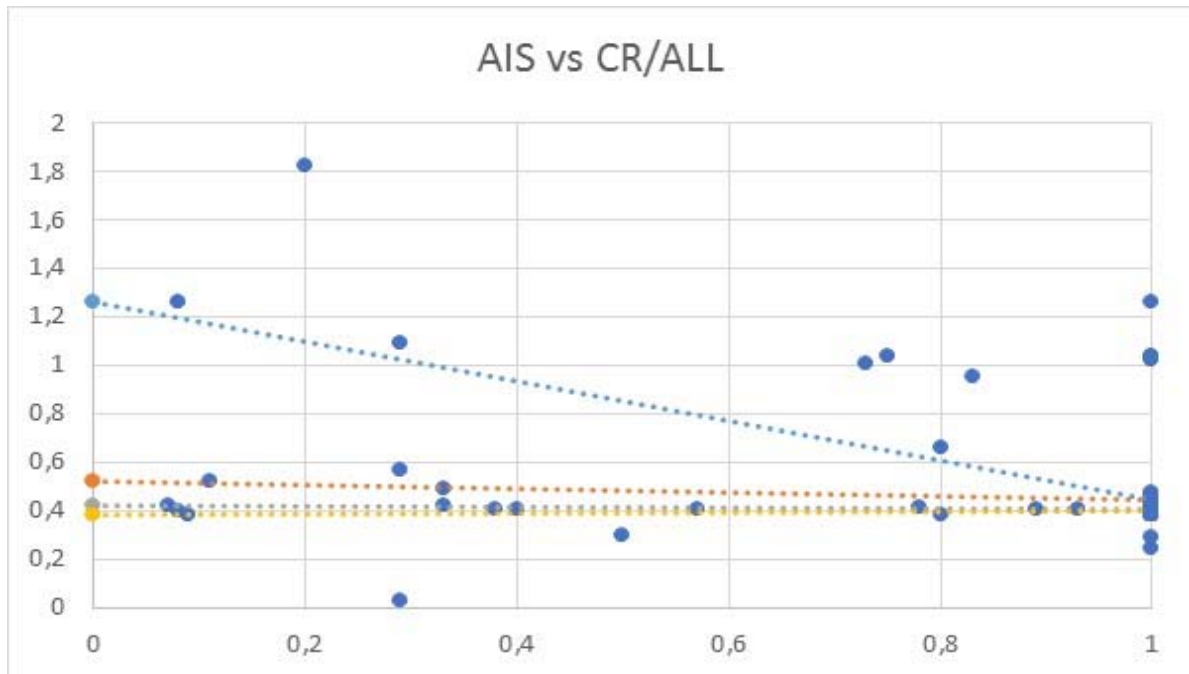
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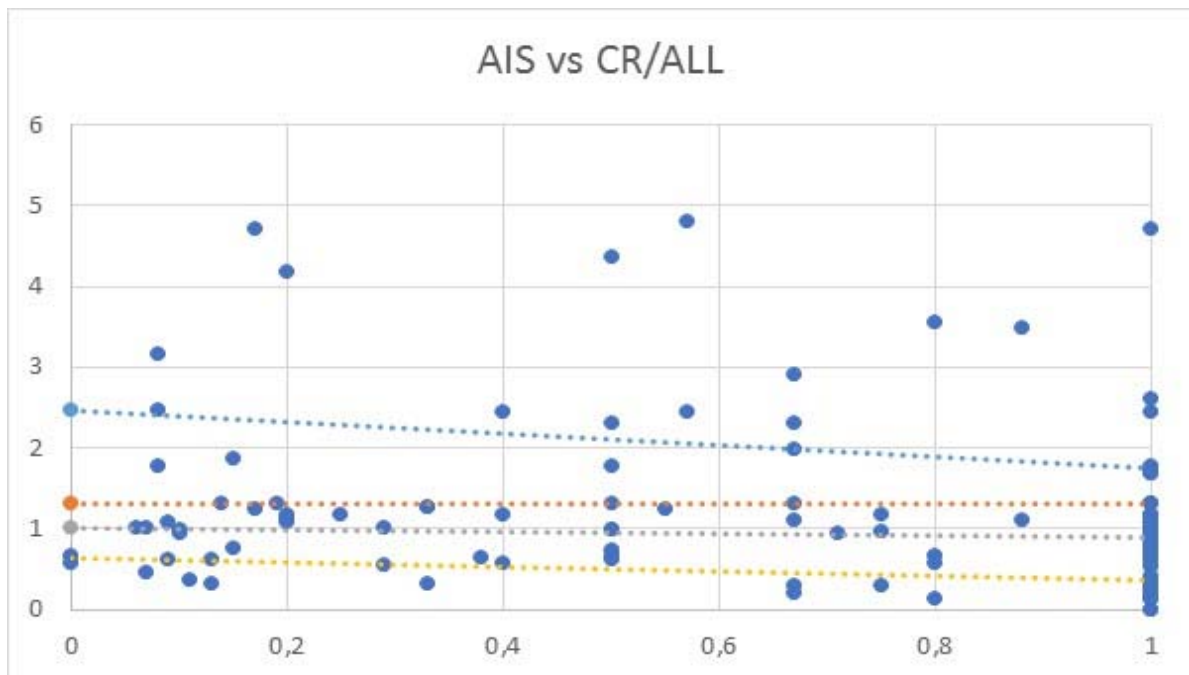
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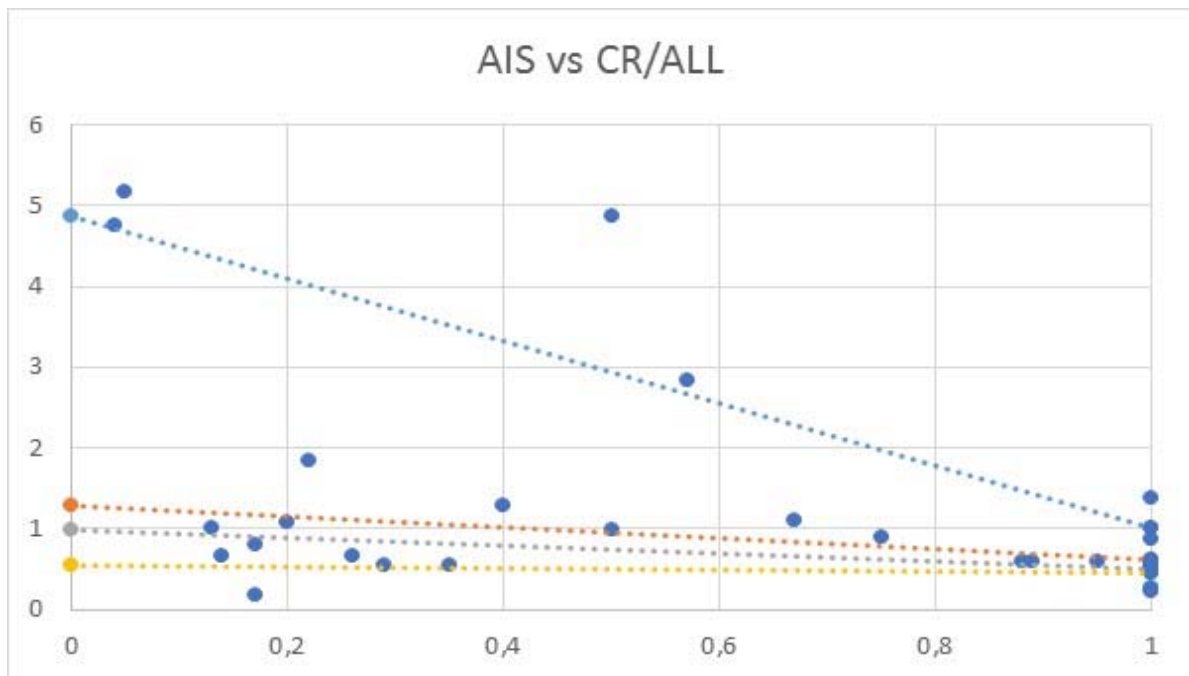
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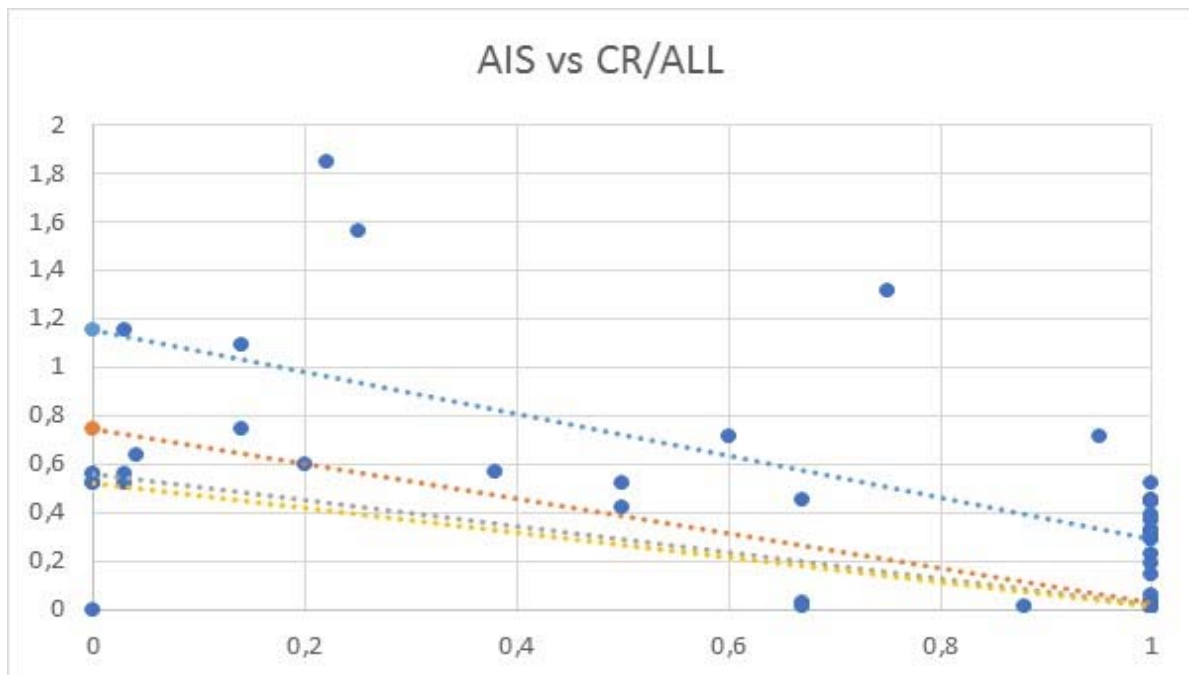
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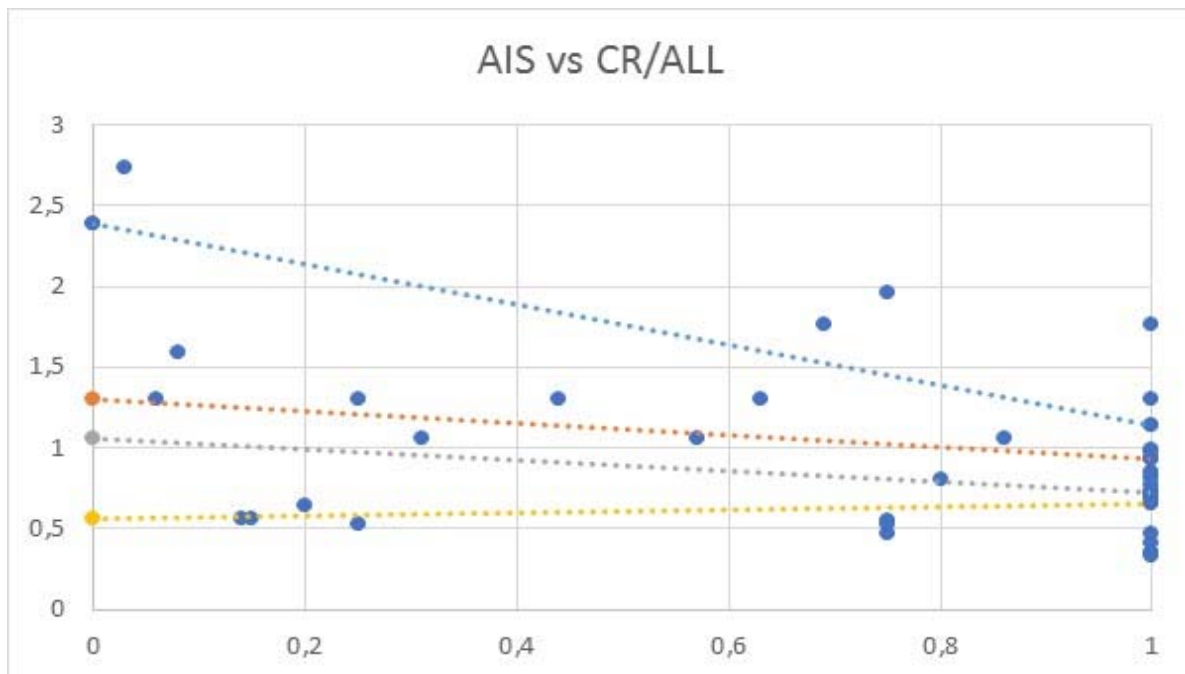
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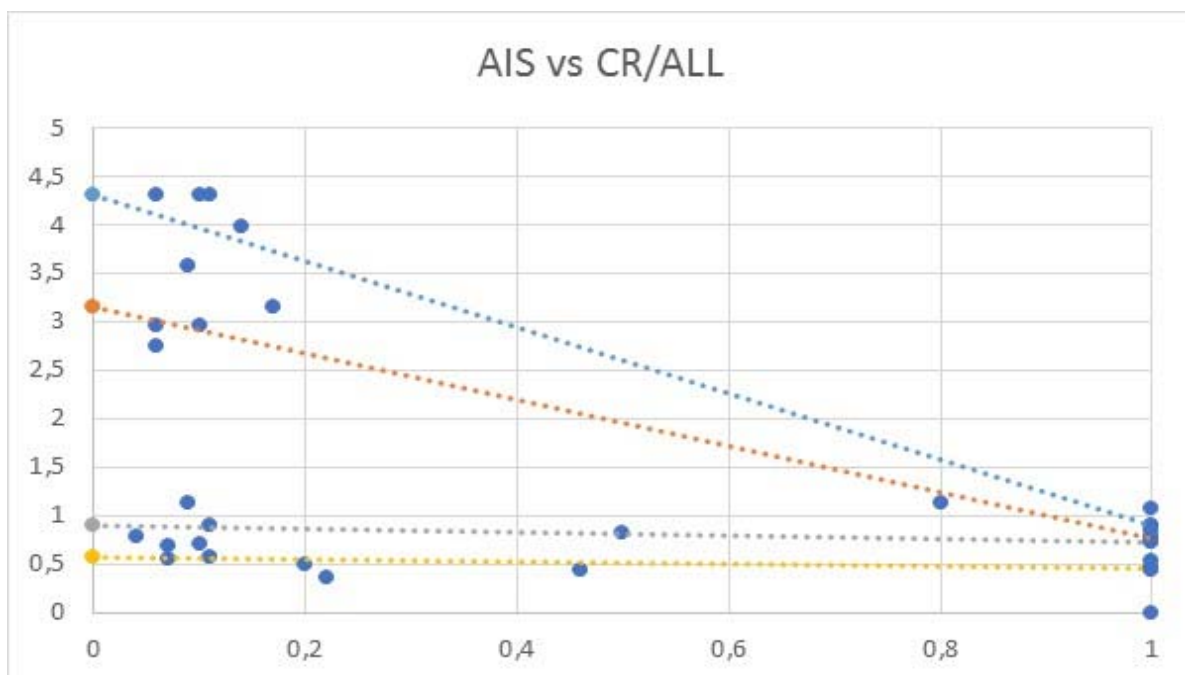
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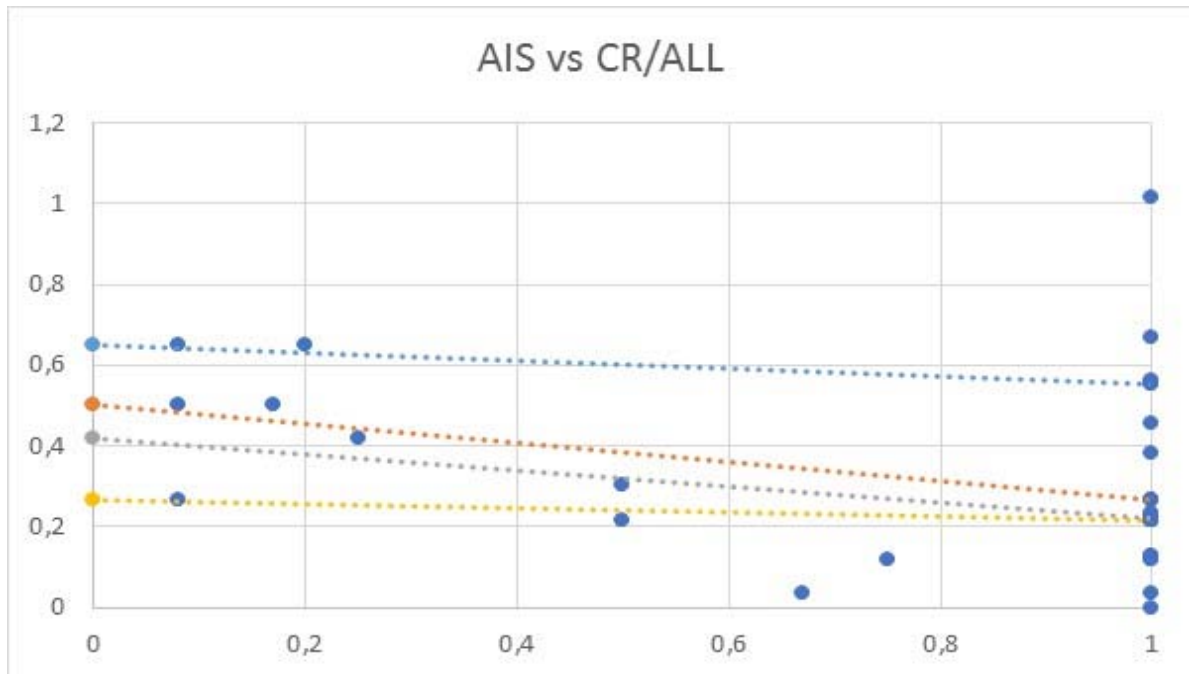
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Review-Urology & Nephrology.xlsx



Review-Veterinary Sciences.xlsx



Review-Zoology.xlsx

