CONFIDENTIAL - FOR PEER-REVIEW ONLY

Is Bob Odenkirk's performance as good as Bryan Cranston? (#125861)

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1) Have any data been collected for this study already?
No, no data have been collected for this study yet.

2) What's the main question being asked or hypothesis being tested in this study?
Bob Odenkirk and Bryan Cranston are both great actors, and because they are both great, the movies they acted are equally great, measured by IMDB ratings.

3) Describe the key dependent variable(s) specifying how they will be measured.
The X last movies Bob Odenkirk and Bryan Cranston starred in from 03/20/2023.

4) How many and which conditions will participants be assigned to?
I'll design a study with 90% power and a 0.05 significance level. I am interested in the large effects (Cohen's d = 0.8 or larger). The power analysis estimates that the sample size we need to show the difference between the ratings is 34 movie ratings from each star.

5) Specify exactly which analyses you will conduct to examine the main question/hypothesis.
Will conduct a t-test, with alpha of 0.05 and beta of 0.9.

6) Describe exactly how outliers will be defined and handled, and your precise rule(s) for excluding observations.
Will not exclude outliers.

7) How many observations will be collected or what will determine sample size? No need to justify decision, but be precise about exactly how the number will be determined.
34 movie ratings from each star.

8) Anything else you would like to pre-register? (e.g., secondary analyses, variables collected for exploratory purposes, unusual analyses planned?)
NA