War Films quality after and before 2010

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Study Information

Hypotheses

There is no difference in rating distribution of war films before and after 2010.

Design Plan

Study type

Experiment - A researcher randomly assigns treatments to study subjects, this includes field or lab experiments. This is also known as an intervention experiment and includes randomized controlled trials.

Blinding

No blinding is involved in this study.

Is there any additional blinding in this study?

No response

Contributors (/kjxca/contributors)

Tiago Beltrão Lacerda (/bjega)

Description

In the example preregistration assigment, I want to investigate if there is an significance difference in quality between films made before and after 2010 using IMDB scores database.

Registration type

OSF Preregistration

Date registered

December 12, 2021

Date created

December 12, 2021

Registered from

osf.io/brg9y (/brg9y)

Study design

This is and test assignment. My hypothesis is that there is no difference in rating distribution of war films before and after 2010 in IMDB scores.

No files selected

Randomization

No response

Sampling Plan

Existing Data

Registration prior to accessing the data

Explanation of existing data

I haven't seen the data yet, besides it exists freely on IMDB website.

Data collection procedures

IMDB queries

No files selected

Sample size

powerTOSTtwo(alpha = 0.05, statistical_power = 0.90, low_eqbound_d = -0.8, high_eqbound_d = 0.8)
The required sample size to achieve 90 % power with equivalence bounds of -0.8 and 0.8 is 34 per group, or 68 in total.

Sample size rationale

this is the minimum amount of data needed so, as long as this is an

Internet Archive link

https://archive.org/details/osf-registrations-kjxca-v1 (https://archive.org/details/osf-registrations-kjxca-v1)

Category

Hypothesis

Registration DOI

10.17605/OSF.IO/KJXCA (https://doi.org/10.17605/OSF.IO/KJXCA)

Publication DOI

No publication DOI

Subjects

Engineering Education

Arts and Humanities

Affiliated institutions

This registration has no affiliated institutions

License

GNU Lesser General Public License (LGPL) 3.0

Tags

No tags

test assignment where the priority is the procedure not the result, I am going to follow this value.

Stopping rule

none

Variables

Manipulated variables

No response

No files selected

Measured variables

scores in IMDB films database.

No files selected

Indices

No response

No files selected

Analysis Plan

Statistical models

will do a power analysis for an equivalent test. I want to be pretty sure I can reject my smallest effect size of interest, so I 'll design a study with 90% power. I am going to do a TOST to test my hypothesis.

No files selected

Transformations

Citation

osf.io/kjxca

No response

Inference criteria

No response

Data exclusion

No response

Missing data

No response

Exploratory analysis

No response

Other

Other

No response

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