

Project End of Modelue 2

Math 206/13, BCC

Which genres of movies are more successful: Action/Adventure movies or other types of movies?

Instructions

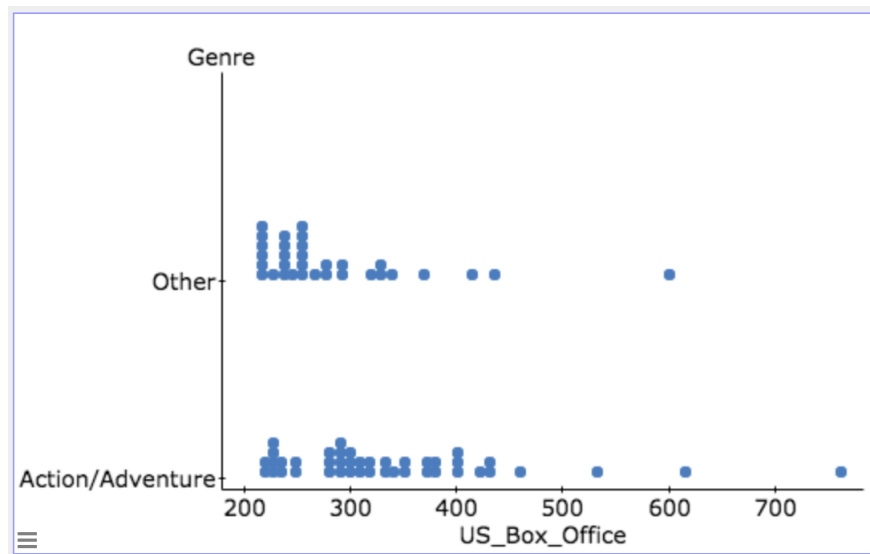
Compare the success of action/adventure movies to other types of movies by analyzing one of the four quantitative variables listed below that relates to your definition. of success.

- Box Office
- Number of Oscars
- IMDb Rating
- Rotten Tomatoes

Write an analysis of the data using concepts from Module 2. This will include a comparison of shape, identification of outliers, use of appropriate measures of center, and appropriate measures of spread.

You should also identify and compare intervals of typical measurements. Draw a conclusion based on the data that addresses the research question.

Box Office

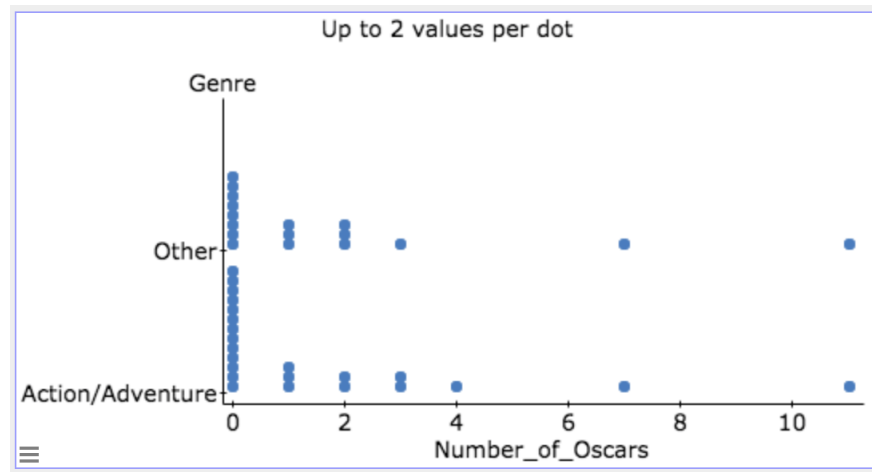


Summary statistics for US_Box_Office:

Group by: Genre

Genre ↕	n ↕	Mean ↕	Variance ↕	Std. dev. ↕	Std. err. ↕	Median ↕	Range ↕	Min ↕	Max ↕	Q1 ↕	Q3 ↕
Action/Adventure	43	340.48372	11565.559	107.54329	16.400197	310.7	541.5	220	761.5	281.3	381
Other	32	284.175	6457.1071	80.356127	14.205091	256.2	383.4	217.4	600.8	238.5	307.1

Number of Oscars

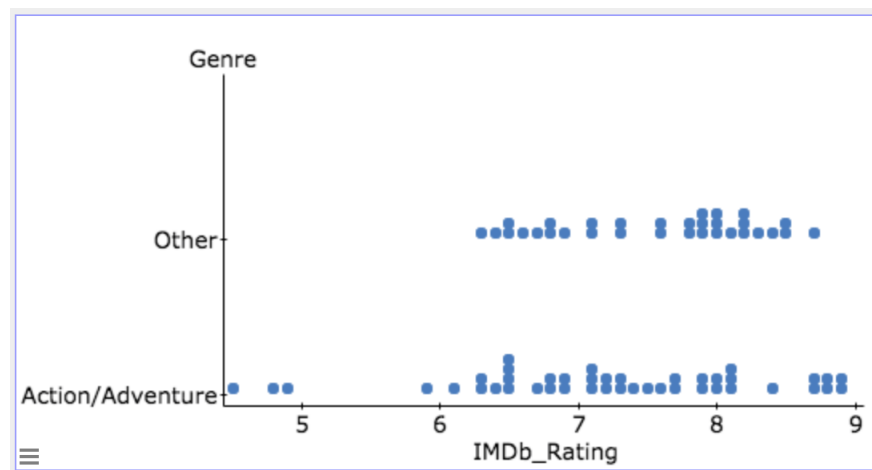


Summary statistics for Number_of_Oscars:

Group by: Genre

Genre ↕	n ↕	Mean ↕	Variance ↕	Std. dev. ↕	Std. err. ↕	Median ↕	Range ↕	Min ↕	Max ↕	Q1 ↕	Q3 ↕
Action/Adventure	41	1.195122	4.9109756	2.2160721	0.34609232	0	11	0	11	0	2
Other	31	1.2580645	5.3311828	2.3089354	0.41469704	0	11	0	11	0	2

Number of IMDb Rating

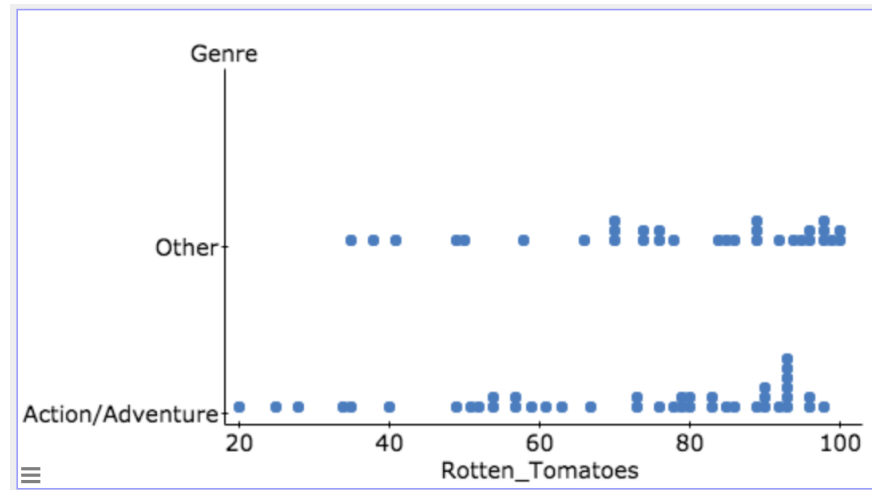


Summary statistics for IMDb_Rating:

Group by: Genre

Genre ↕	n ↕	Mean ↕	Variance ↕	Std. dev. ↕	Std. err. ↕	Median ↕	Range ↕	Min ↕	Max ↕	Q1 ↕	Q3 ↕
Action/Adventure	43	7.227907	1.1558693	1.0751136	0.16395329	7.2	4.4	4.5	8.9	6.5	8
Other	32	7.559375	0.51216734	0.71565867	0.12651178	7.8	2.4	6.3	8.7	6.85	8.15

Number of Rotten Tomatoes



Summary statistics for Rotten_Tomatoes:

Group by: Genre

Genre ↕	n ↕	Mean ↕	Variance ↕	Std. dev. ↕	Std. err. ↕	Median ↕	Range ↕	Min ↕	Max ↕	Q1 ↕	Q3 ↕
Action/Adventure	43	71.325581	495.41528	22.257926	3.3943019	79	78	20	98	54	91
Other	32	78.65625	378.03931	19.443233	3.4371105	84.5	65	35	100	70.5	95.5