

'Find A friend' Investigation

A note to teachers:

This is a very simple activity based on the scatter plot and the (arguable) premise that friends tend to have similar tastes in films!

Ask one or two of your students for a list 10-15 popular films that most of the class would have seen.

Write these into the 'Find a Friend Investigation'.
Print pages 2 and 3 for each student.

NOTE: It is most effective to structure this activity so that students pair both with friends and students they spend little time with so that results between friends and non-friends can be compared.

The solutions included with this investigation are not instructional. If you are new to STAT mode then the document 'Self-Guided_9860_STAT' will be beneficial. This can be found at www.casioed.net.au

NOTE: If you desire to modify this activity, for example to make it assessable, and therefore desire the original word document you may request it by emailing casio.edusupport@shriro.com.au.

'Find A friend' Investigation

This investigation is based on the idea that friends tend to have similar tastes in films.

Instructions:

a) Rank the following films in order of your preference in the following way:

- If there are movies you have not seen, rank them each with '3'
- Rank the movies you have seen between 1 and 5:
1 = 'loved it'
2 = OK
3 = Ho Hum
4 = Bad
5 = 'real dud'

Enter your ranks into the 'YOUR RANK' column.

d) Choose rankings from a variety of classmates and enter them into the columns (Ranks 2-6)

- Note make sure you choose a variety of classmates which include both friends and people you don't know well.

e) Enter scores into the calculator. Draw a scatter plot between yourself and each partner and determine the correlating coefficient for each. Enter the correlating coefficients into the bottom row.

f) Write a paragraph summarizing your findings and conclusions from this activity. Refer to the original premise that friends tend to have similar tastes in films. Does this activity investigate the premise well. How would the investigation need to be changed in order for it to effectively determine whether friends do tend to have similar tastes in films?

