



Each point refers to a cell pair; different colors refer to different movies.

Definitions:

$$I = \sum_s P(s) \sum_{r_1, r_2} P(r_1, r_2 | s) \log_2 \frac{P(r_1, r_2 | s)}{\sum_{s'} P(r_1, r_2 | s') P(s')}$$

$$I_{\text{shuffled}} = \sum_s P(s) \sum_{r_1, r_2} P(r_1 | s) P(r_2 | s) \log_2 \frac{P(r_1 | s) P(r_2 | s)}{\sum_{s'} P(r_1 | s') P(r_2 | s') P(s')}$$