Kendall-tau & Pearson Correlation Comparisons

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Purpose

Quick report comparing our the missing data aware Kendall-tau and previous implementation of weighted Pearson correlations.

Data

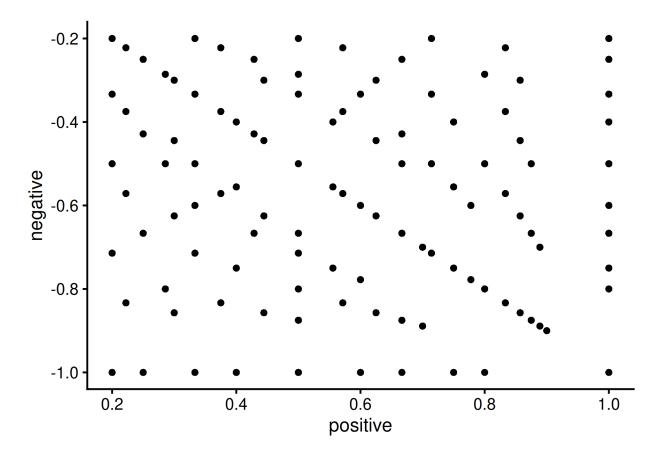
Positive and negative correlating vectors where:

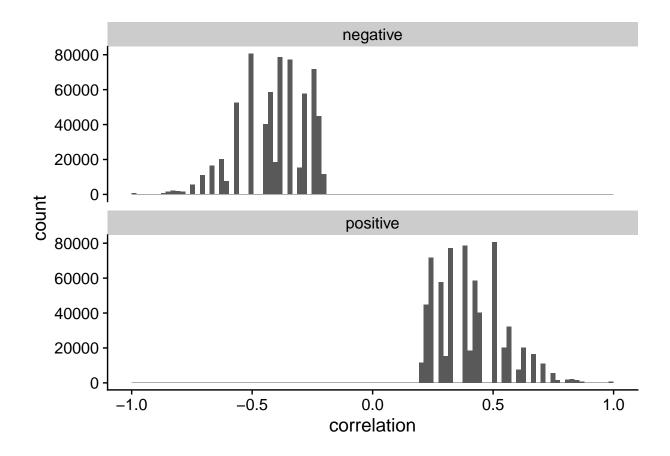
- x = 1 10
- y = 1 10
- y2 = 10 1
- Values in x and y replaced by NA values, from 1 to 10 in either one

Pearson correlations used the "locally-it-weighted" function, Kendall-tau were calculated using "global", without scaling for "max-cor".

Results

Pearson

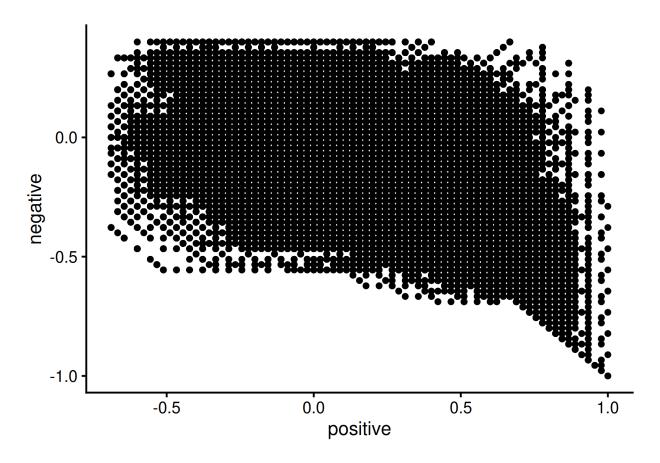


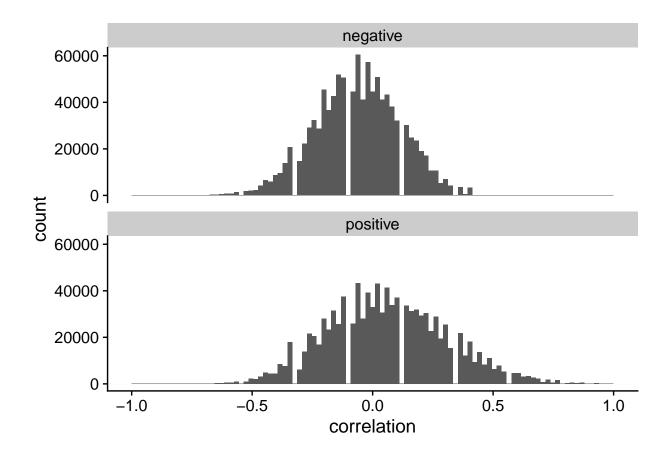


`summarise()` ungrouping output (override with `.groups` argument)

type	mean
negative	-0.4054912
positive	0.4054912

Kendall-tau





`summarise()` ungrouping output (override with `.groups` argument)

mean
-0.0624991 0.0624991