

Two-Sample Kolmogorov-Smirnov Test

Test: Two-Sample Kolmogorov-Smirnov Test

Design: Maximum ECDF separation in absence counts between female and male students.

Variables: absences, sex

Null hypothesis: The two complete absence distributions are identical.

Formula: $D = \sup_x |F_F(x) - F_M(x)|$; tied-count significance uses fixed-size label

permutations.

Source rows: 649

Calculated metrics:

d_statistic: 0.0501874791417185

p_value: 0.505649435056494

permutation_null_mean: 0.0521758642690273

permutations: 10000

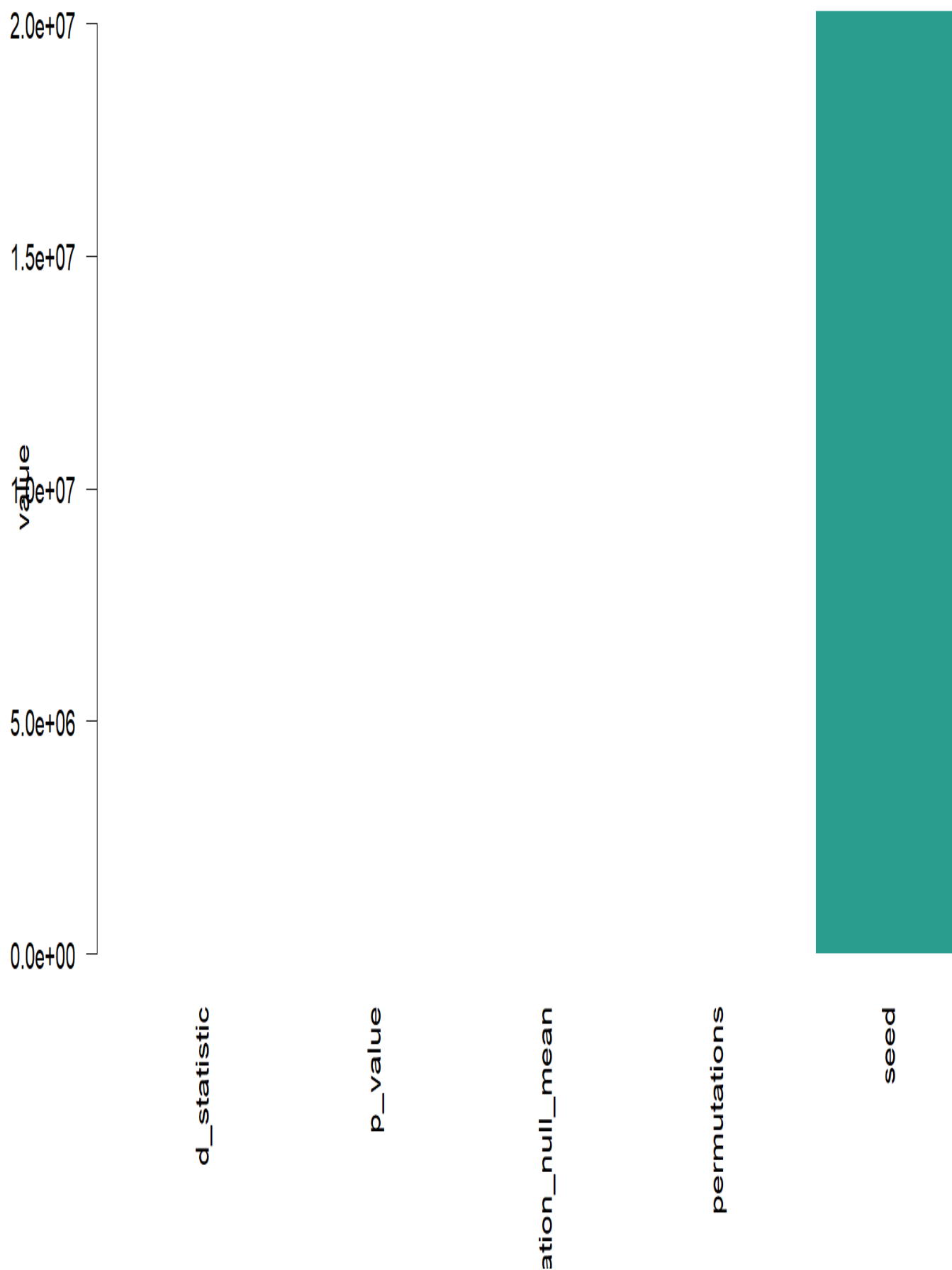
seed: 20260716

Interpretation:

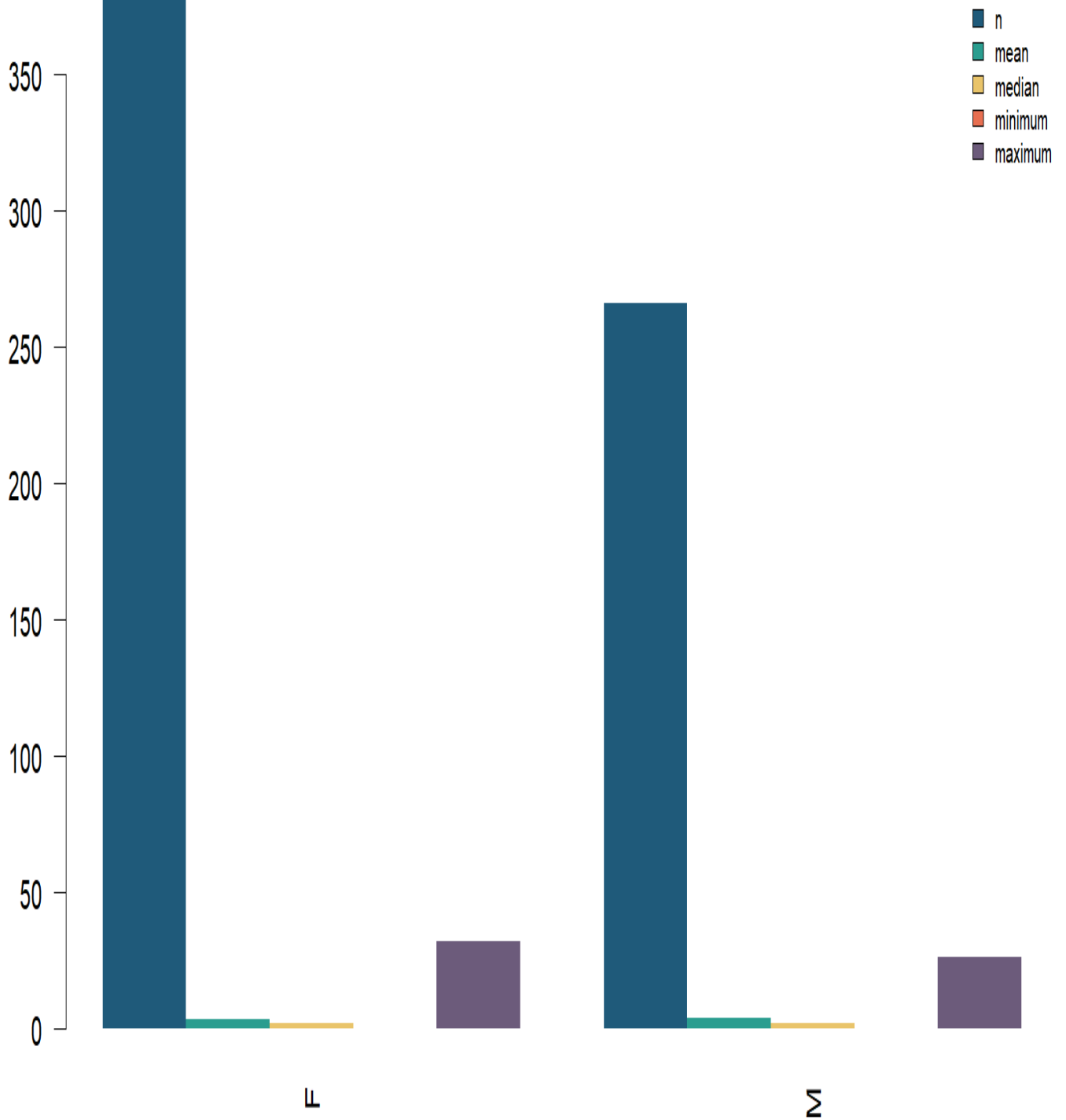
Permutation inference handles the extensive ties in absence counts.

Permutation p = 0.505649435056494

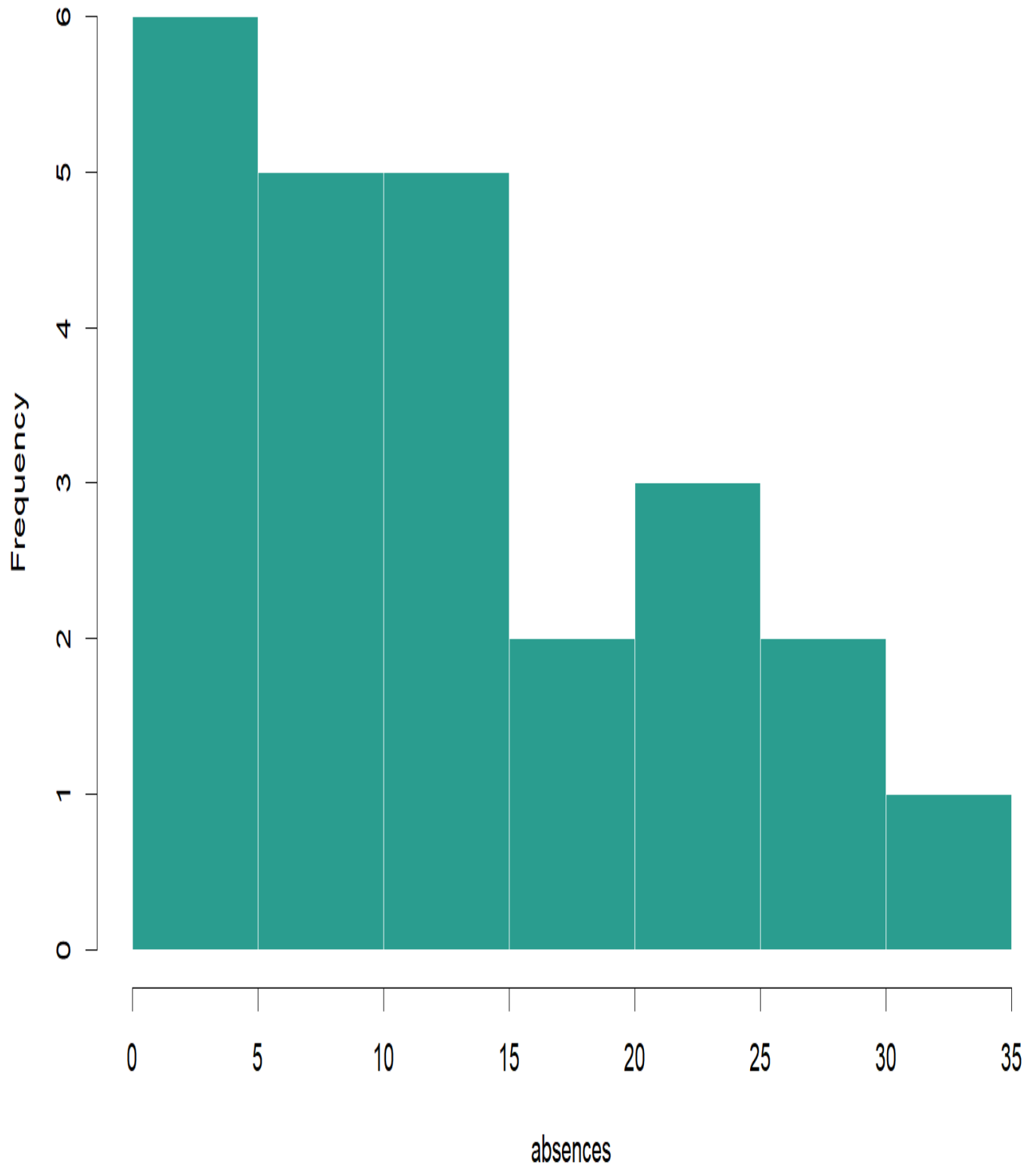
Two-Sample Kolmogorov-Smirnov Test - primary metrics



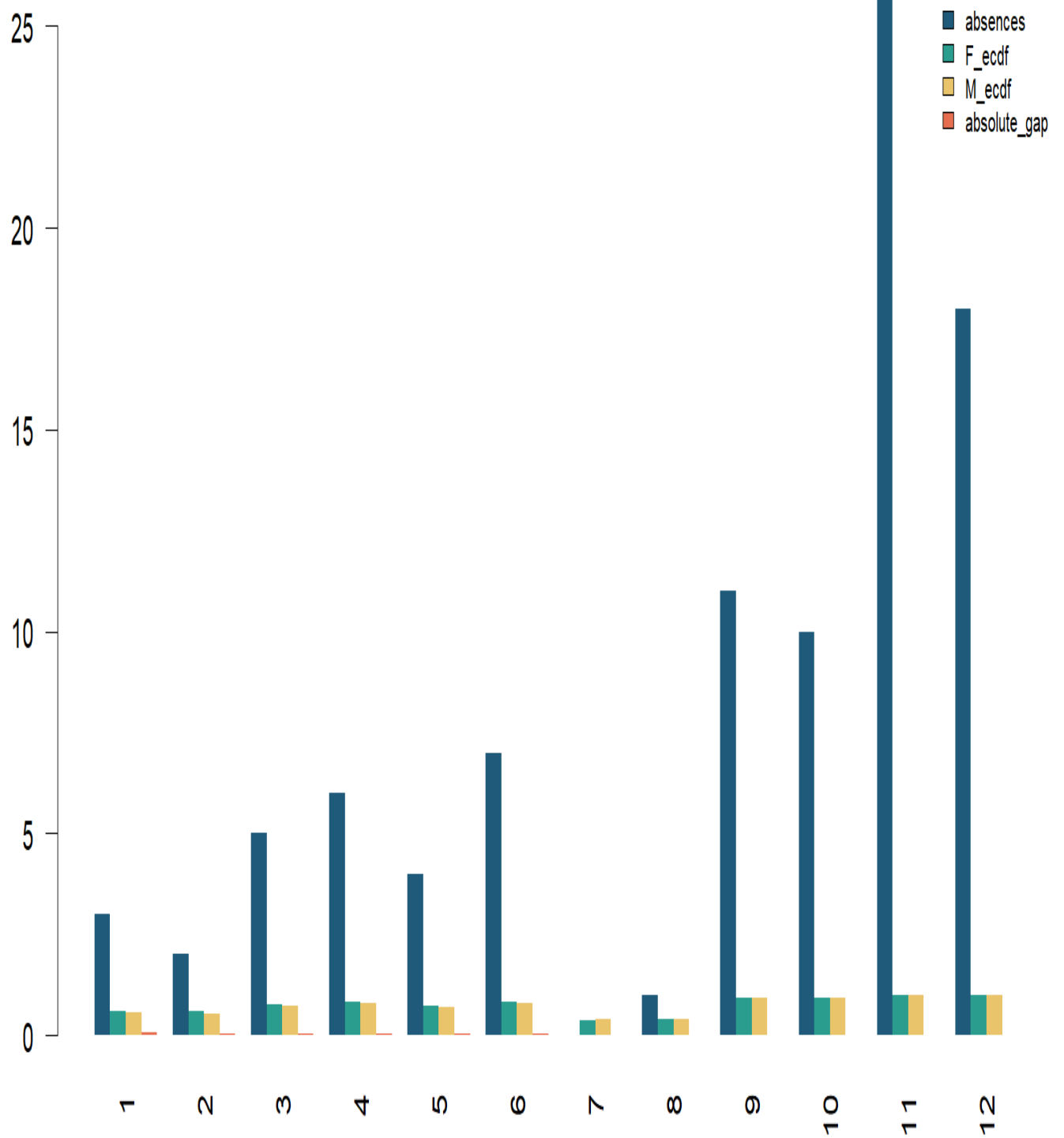
Two-Sample Kolmogorov-Smirnov Test - sex absence summary



Two-Sample Kolmogorov-Smirnov Test - ecdf separation



Two-Sample Kolmogorov-Smirnov Test - maximum gap rows



Two-Sample Kolmogorov-Smirnov Test verified results

