

R Kruskal–Wallis and Pairwise Wilcoxon Workflow

Test: R Kruskal–Wallis and Pairwise Wilcoxon Workflow

Design: R–style omnibus and BH–adjusted pairwise rank analysis of absences across maternal occupations.

Variables: absences, Mjob

Null hypothesis: All maternal–occupation groups share the same absence distribution.

Formula: H_KW followed by pairwise U tests with Benjamini–Hochberg adjustment.

Source rows: 649

Calculated metrics:

kruskal_wallis_h: 8.30039941355842

omnibus_p_value: 0.0811736806047083

degrees_of_freedom: 4

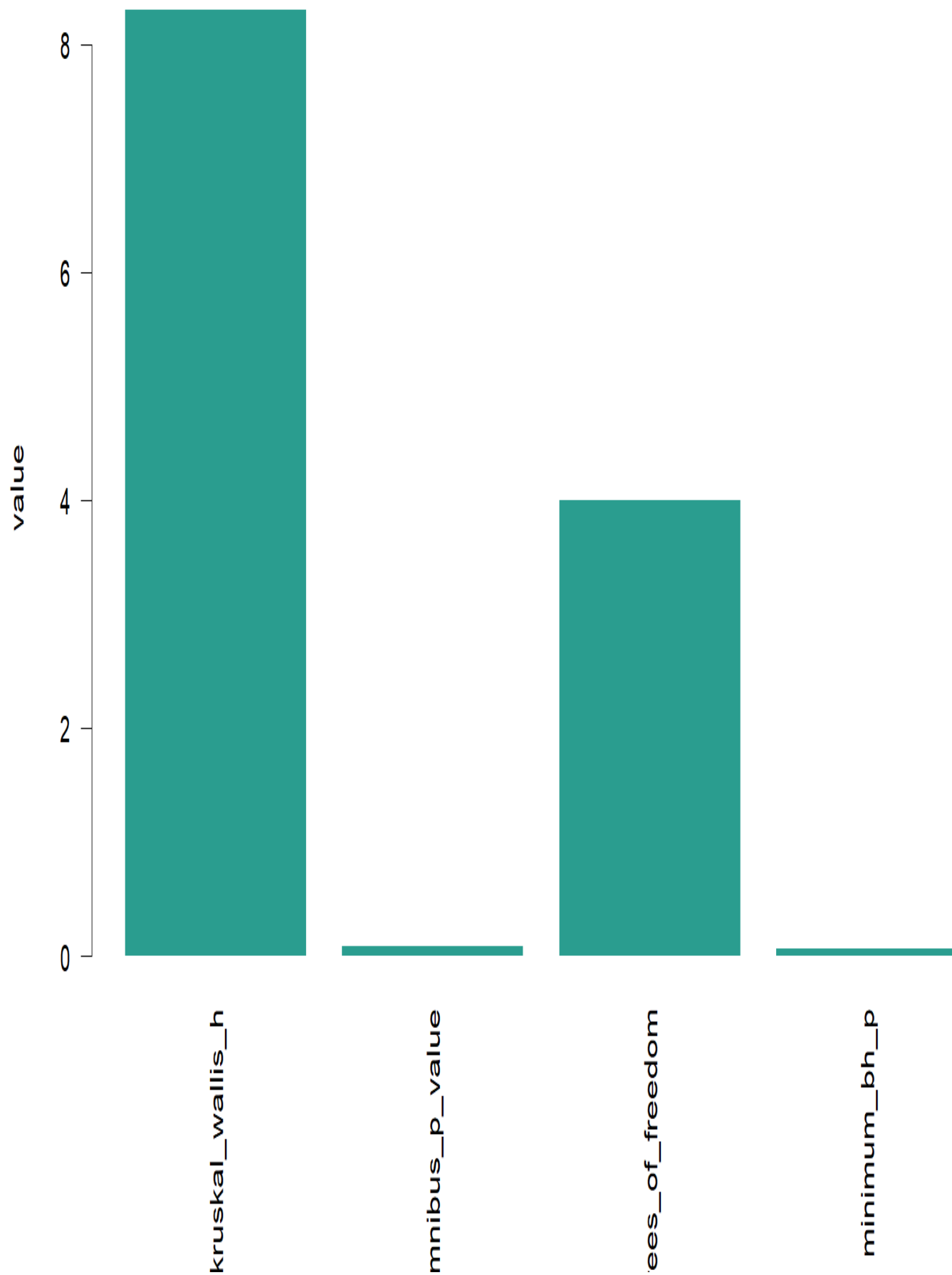
minimum_bh_p: 0.0604668610610304

Interpretation:

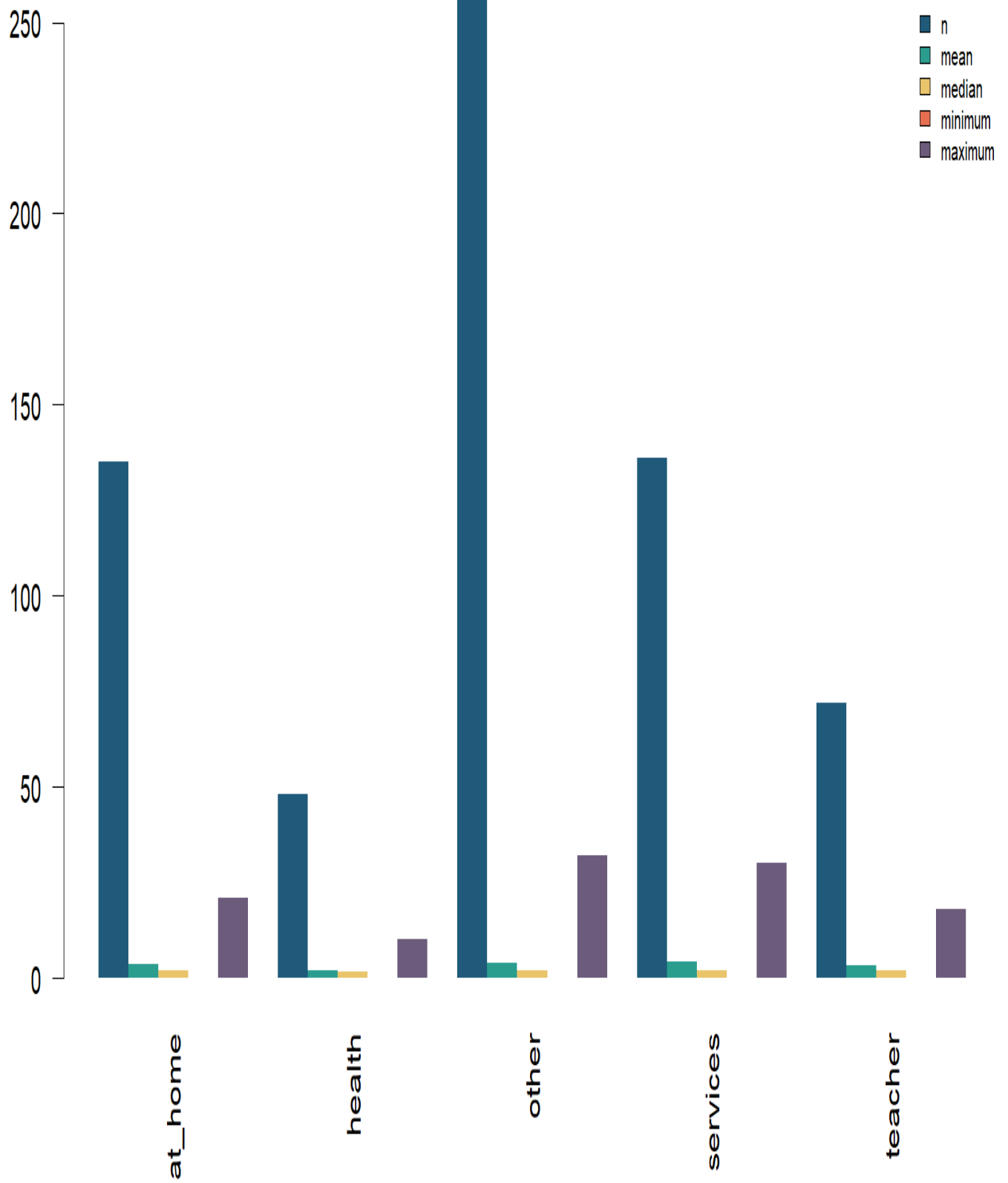
This is the native R Kruskal–Wallis plus pairwise Wilcoxon/BH workflow.

Omnibus p = 0.0811736806047083

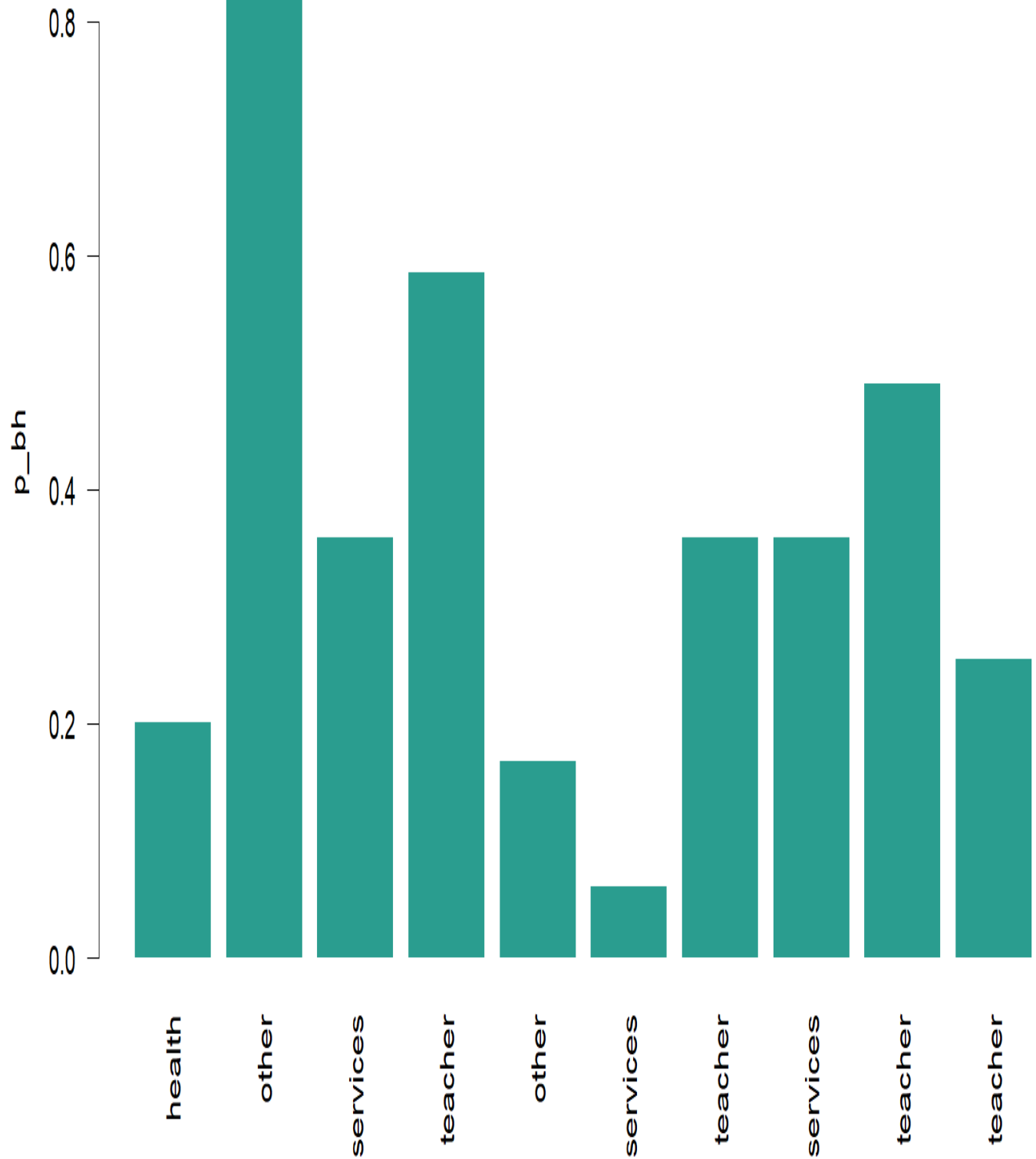
R Kruskal-Wallis and Pairwise Wilcoxon Workflow - primary metrics



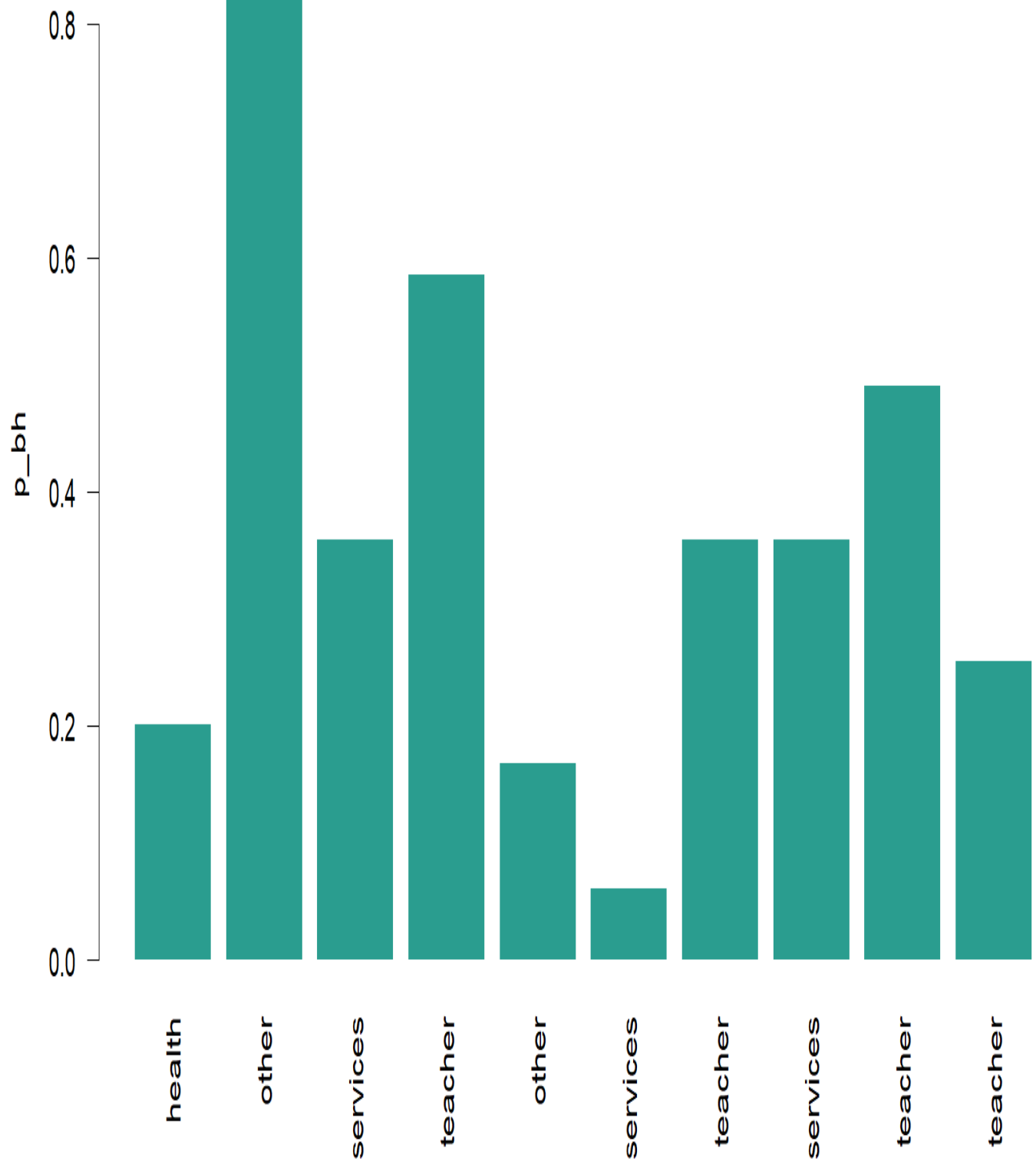
R Kruskal-Wallis and Pairwise Wilcoxon Workflow - maternal job absence summary



R Kruskal-Wallis and Pairwise Wilcoxon Workflow - pairwise wilcoxon bh



R Kruskal-Wallis and Pairwise Wilcoxon Workflow - bh decisions



R Kruskal-Wallis and Pairwise Wilcoxon Workflow verified results

