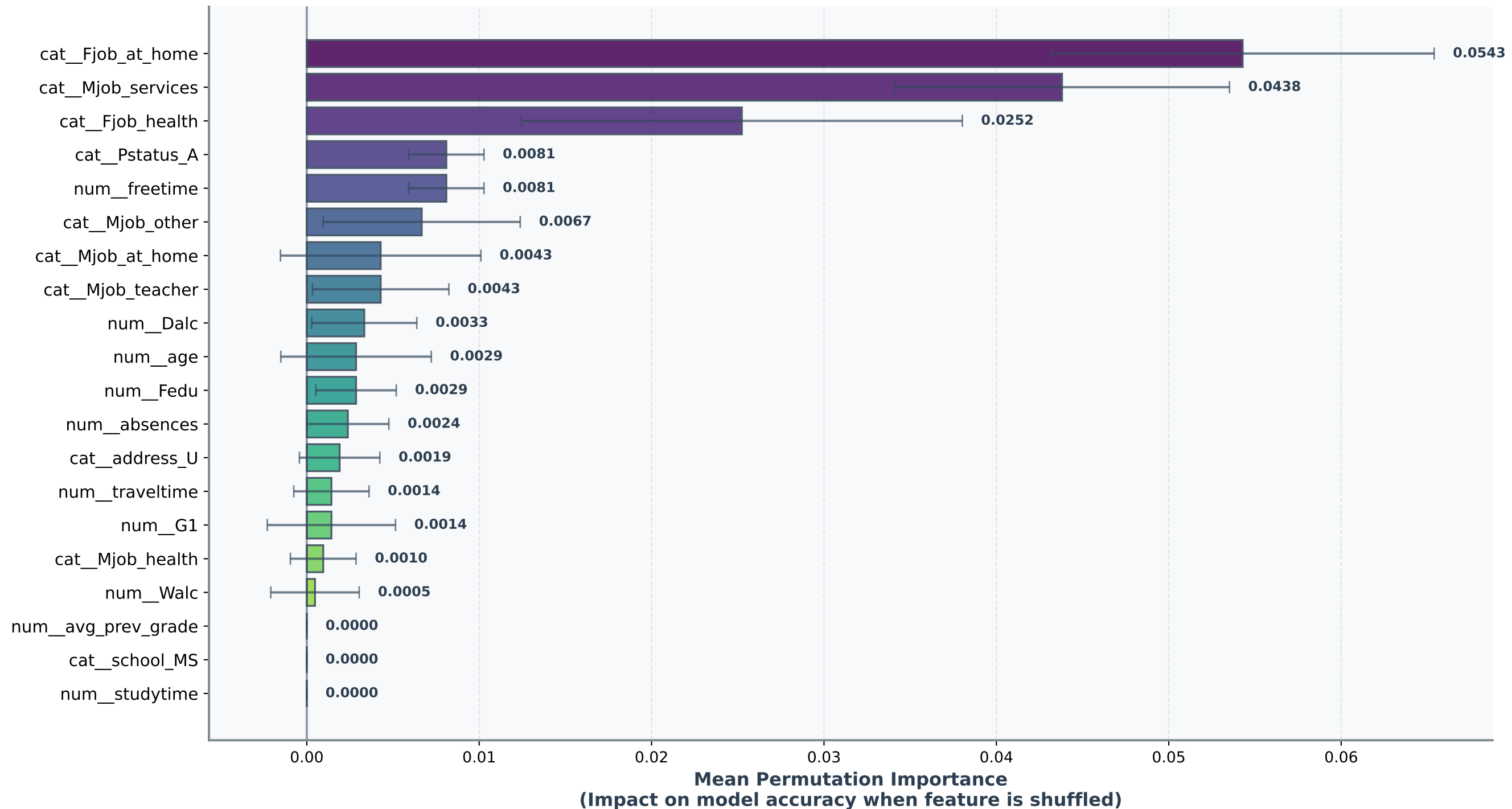


**RQ4\_Fig6: Feature Importance for Academic Performance  
(SHAP-style Permutation Analysis)**



Note: Permutation importance measures feature importance by evaluating the decrease in model performance when each feature is randomly shuffled. Higher values indicate more important features. Error bars show standard deviation across 10 permutation rounds. Color gradient: Purple (least) → Yellow (most important)