

# Week 9 — Multiple/logistic regression: Monday exit ticket

Week 9 – Monday exit ticket

Name: \_\_\_\_\_

Date: \_\_\_\_\_

---

## Instructions

Work through each item below. Write your final response in the space provided. Show enough work that another reader can follow your reasoning.

1. A multiple regression predicts a loan's **interest rate** (in percentage points) from several predictors at once. In the fitted model, the coefficient on **number of credit checks** is 0.23.
  - (a) Interpret this 0.23 in one sentence, using the phrase "**holding the other predictors constant.**"
  - (b) In one sentence, what does "holding the other predictors constant" rule out — i.e., why is this not the same as the one-variable slope?