

Correct Solution

Why I lost points on the exam

3b) Different employees so that the samples are independent of one another.

Overthinking

3c) Dependent samples serve as their own control which means smaller standard deviation and thus smaller margin of error. The answer is part (a)

could have explained better

4b) Est of $\beta_1 = 1813 \pm 1657$

miscalculated the margin of error

4d) At 95% CL, ANOVA table = 0.032 < 0.05. Therefore model is statistically significant but with only 2.87% of variations explained by model, it is very weak

Attention to detail