

## Correct Solution

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

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

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

4d) At 95% CL, ANOVA table = 0.032  $\approx 0.05$ . Therefore model is statistically significant but with only 2.8% of variations explained by model, it is very weak.

## Why I lost points on the exam

Overthinking

could have explained better

miscalculated the margin of error

Attention to detail