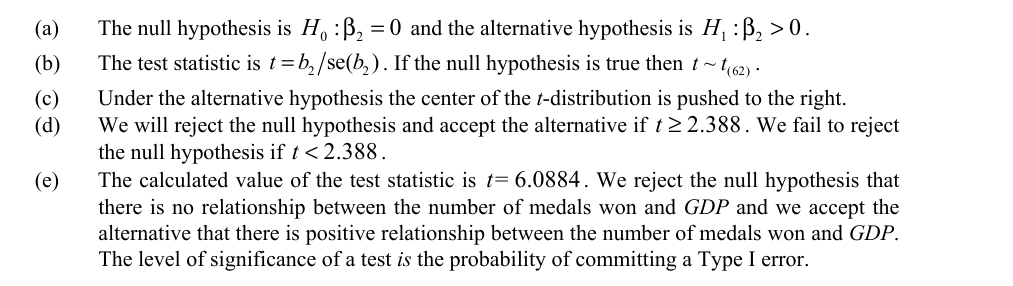
**Full name:** Nguyen Nhut Vu Truong

**Student ID:** 413707008

**Course:** Financial Econometrics

**HW0310**

**Question 1**



A computer code with text

AI-generated content may be incorrect.

A close-up of a computer screen

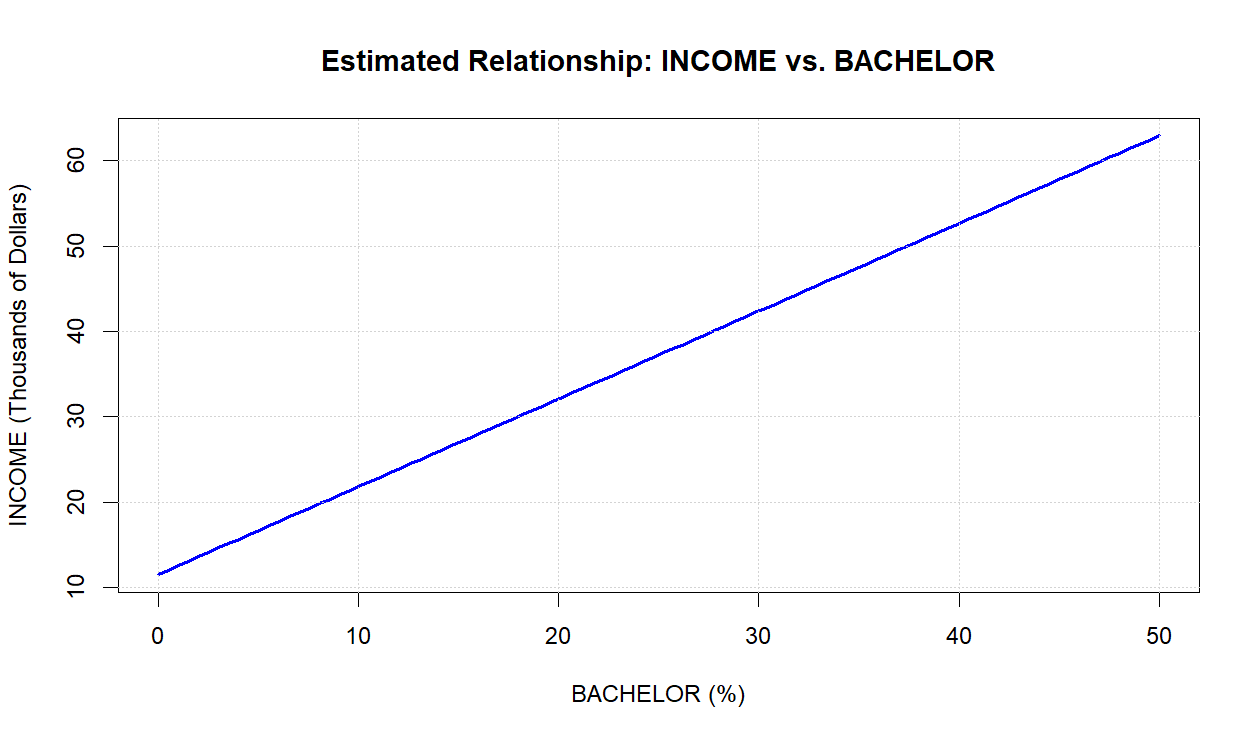
AI-generated content may be incorrect.

**Question 7**

**A computer screen shot of a computer code

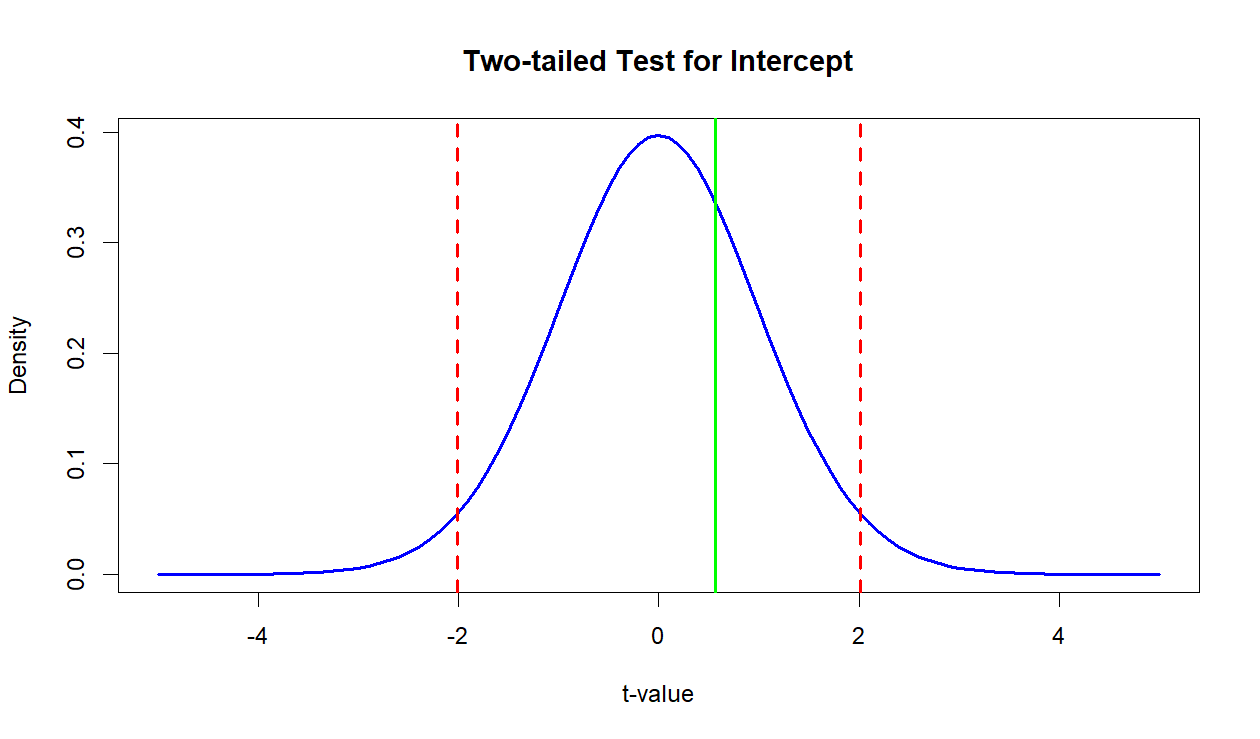
AI-generated content may be incorrect.**

The relationship between INCOME and BACHELOR is increasing at a constant rate.

****

**A screenshot of a computer program

AI-generated content may be incorrect.**

****

**A screenshot of a computer code

AI-generated content may be incorrect.**

**Question 17**

**A computer screen shot of a computer code

AI-generated content may be incorrect.**

**A computer screen with numbers and symbols

AI-generated content may be incorrect.**

**A computer screen with text

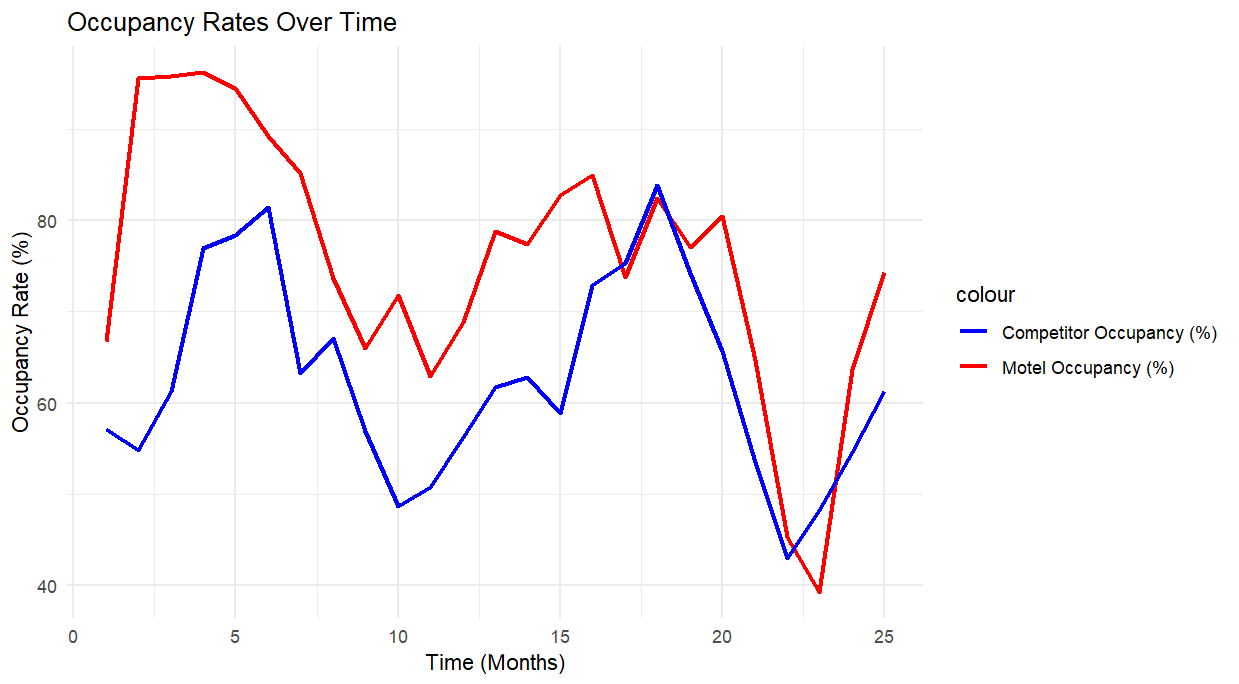
AI-generated content may be incorrect.**

**A computer screen shot of a computer code

AI-generated content may be incorrect.**

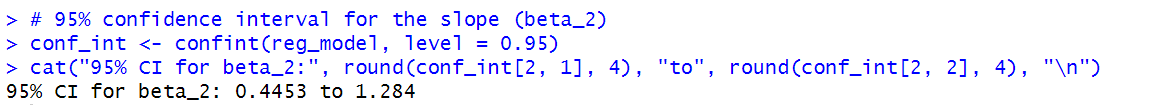
**Question 19**

a. Yes, they tend to move together. Motel seems to have the higher occupancy rates.

****

**A screenshot of a computer code

AI-generated content may be incorrect.**

****

**A math equation with numbers

AI-generated content may be incorrect.**

The estimate of the association between MOTEL\_PCT and COMP\_PCT is positive and statistically significant, but it is not estimated with high precision due to the moderately wide confidence interval and non-trivial standard error. If the interval were narrower, we could be more confident about the precise effect of COMP\_PCT on MOTEL\_PCT.

A white background with blue text

AI-generated content may be incorrect.

A computer code with blue text

AI-generated content may be incorrect.

A screen shot of a computer code

AI-generated content may be incorrect.

A number and numbers on a white background

AI-generated content may be incorrect.

The residual plot indeed shows high variability both in the early time periods and toward the end. This suggests potential instability in the relationship between MOTEL\_PCT and COMP\_PCT over time.

For observations 17-23 all the residuals are negative but one.

