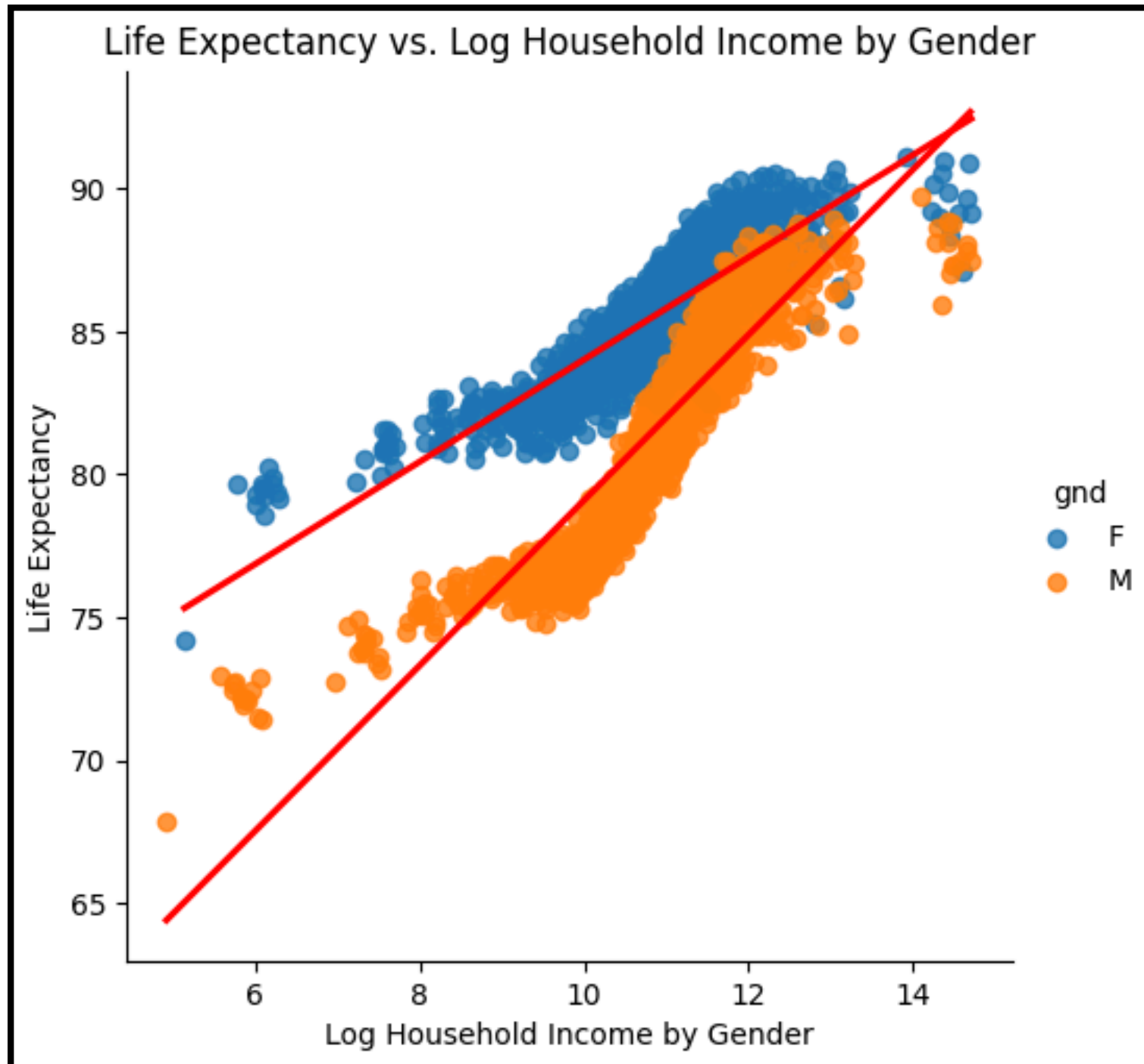


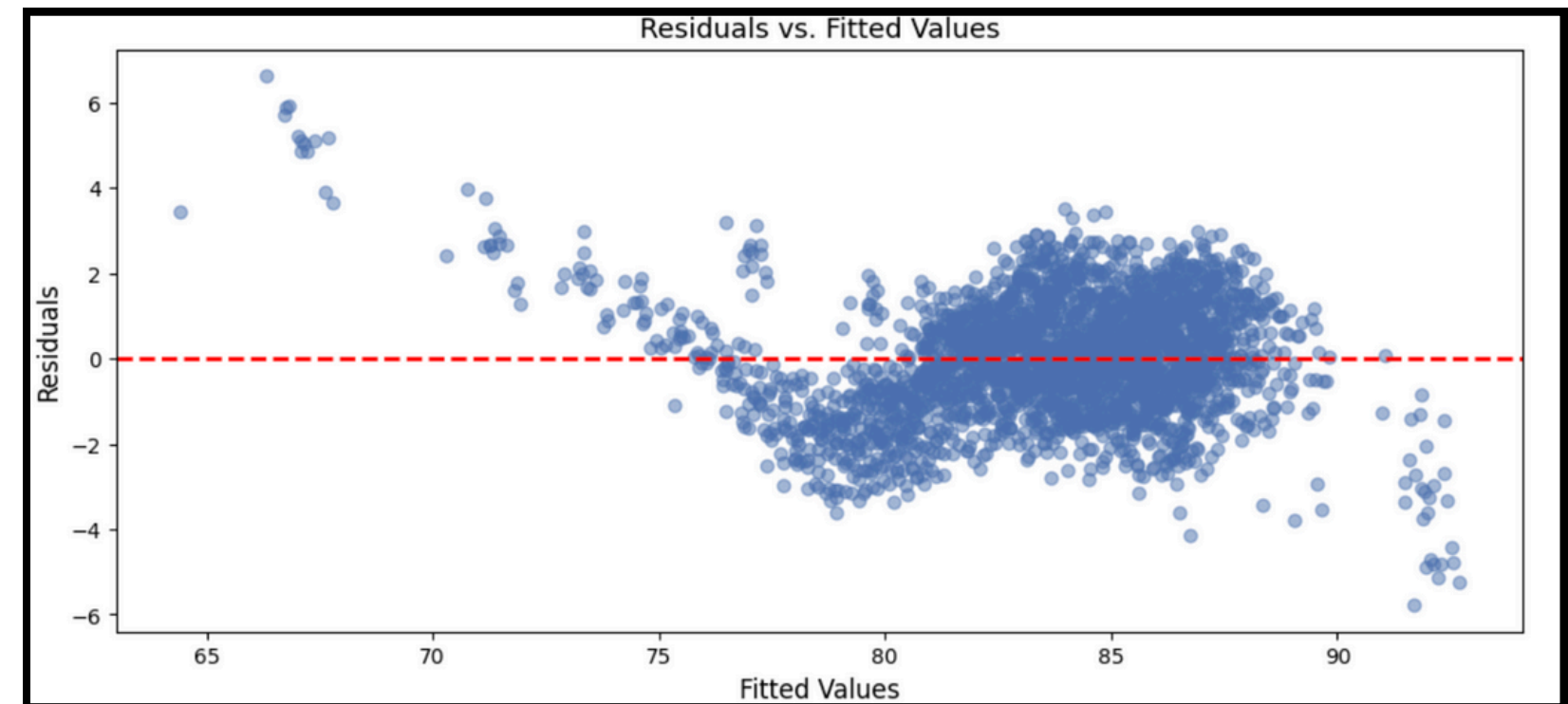
# Research Question:

## Is higher household income associated with a longer life expectancy?

$$\text{Life Expectancy} = B_0 + B_1 \cdot \text{gender} + B_2 \cdot \log\_income + B_3 \cdot (\text{gender} \times \log\_income) + e$$



A **1%** increase in household income is associated with a life expectancy increase of about **0.018 yrs (~7 days)** for females and about **0.029 yrs (~11 days)** for males.



**Conclusion:** Higher household income is strongly associated with longer life expectancy for both males and females.