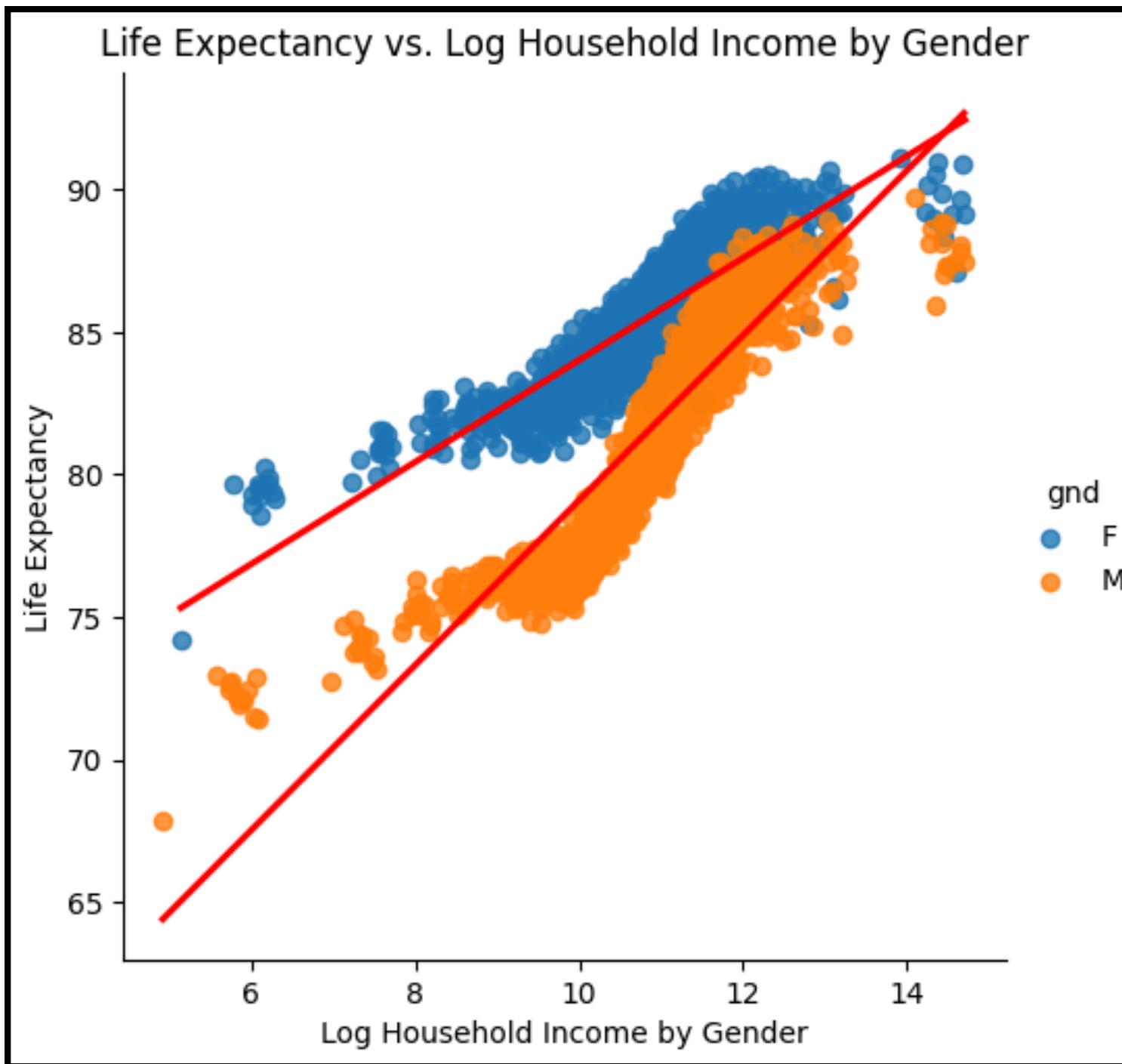


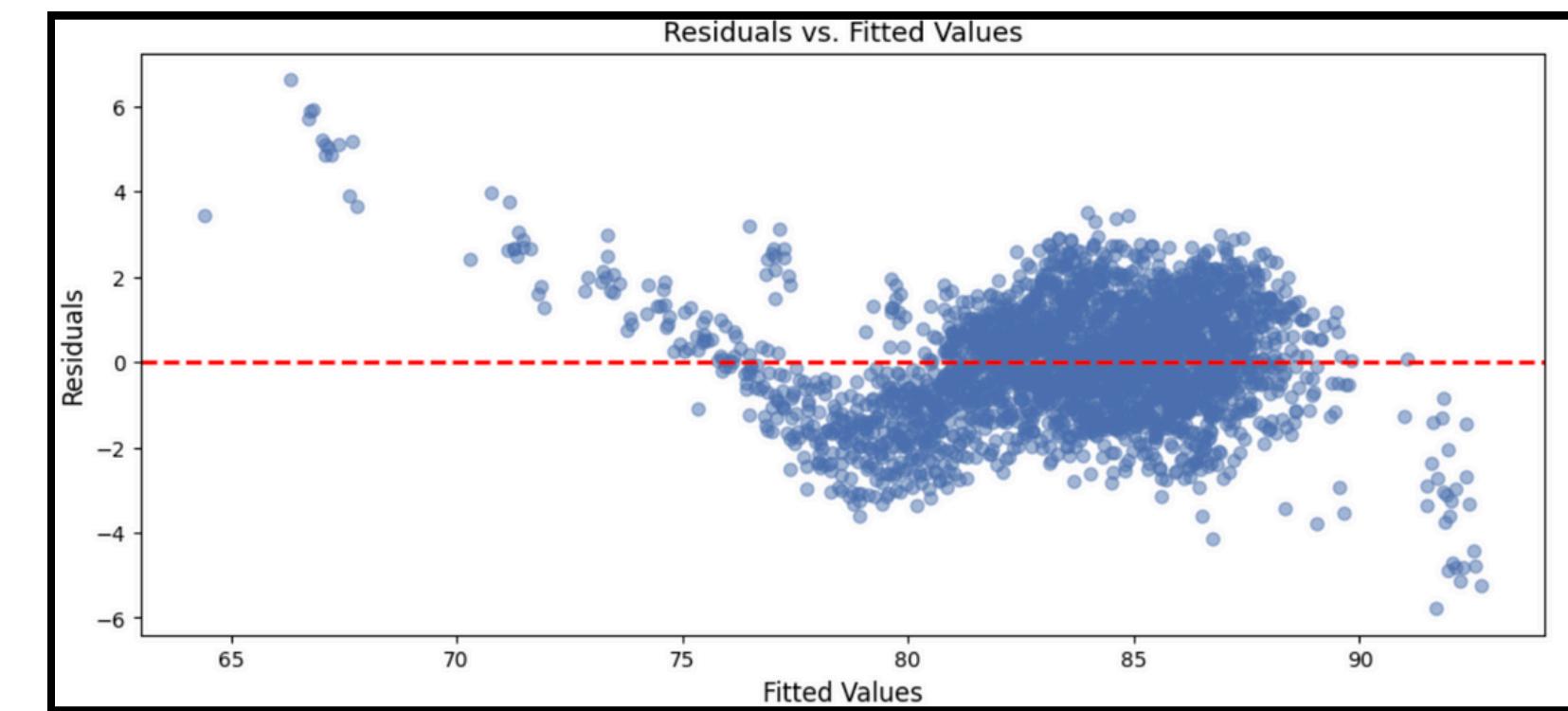
## Research Question:

Is higher household income associated with a longer life expectancy?

$$\text{Life Expectancy} = B_0 + B_1 * \text{gender} + B_2 * \log_{\text{income}} + B_3 * (\text{gender} \times \log_{\text{income}}) + e$$



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.