A)

Б) 8.36569 ≤ β0 ≤ 17.00235

В) F-statistic: 38.08 on 1 and 18 DF, p-value: 7.956e-06

p-value < alpha => H1 принимаем, H0 отвергаем

p-value y = 0.924 > any alpha => H0 принимаем:

p-value x1= 7.96e-06 < any alpha => H0 отвергаем

Г)

Residual standard error: 1228 on 18 degrees of freedom

Multiple R-squared: 0.679,

Adjusted R-squared: 0.6612

Approx error: 102.476