Q21 Regression a, 6 f(x)=y=a.ebx .618 .7.9 × 1.2 2.8 -4.3 5.4 9 7.5 16.1 38.9 67.0 146.6 266.2 1990.328 28.4 . 542.3 a = n & xi.yi - (\(\xi \) (\(\xi \)) 6: 9-0x n(Ex)2-(Ey)2 806.56 294089.25 9 45.08 167.22 361.8 996.88 210.298 x 1.44 7.84 18.49 29.16 46.24 62.41

b= 90.383 - 0.016.4.733 = -90.306

Q31 Numerical Int of ACX11.0x use two method write which one is X 0 0.5 100 1.5 2.0 2.5 f(x) 1.5000 2.000 2.0000 1.6364 1.230 0.9565 Troponoid => $2 = h(f(x_0) + 2 \sum_{i=1}^{n-1} f(x_i) + f(x_i) + h = \frac{6-9}{n-3} \frac{2.5}{6}$ 2:0.208.[1.5000+2.2f(x.)+0.9565]=19.2265.0.268.3869 = 3.791122 G Simpsons 110 -> 7= 4[F(x)+4F(x,)+F(x2) h= 0,416 I= 0,1386[1,5000

Supsons methods are more occurrete as I know,