Will Pulkownik

Stats Spring 2020

Project 2

1) There does not seem to be much linearity when Inflation values are low

2) yhat = -0.17659979019145025x+6.496970889063729

3) 5.967171518489379

4)r = -0.14842846730331222 – this tells me that there is a weak negative correlation between unflation and unemployent

5) LSR = 0.022031009906010424 – about 2.2%

6)yhat = -0.18805399177641308x+6.546530370388026)

7)yhat = -0.5641619753292393+6.546530370388026 = 5.982368395058787

8) There is a lot of variation between actual and predicted values

9) -0.15548654039322127 there is an stronger negative correlation than between this inflation and this years unemployment

10) 0.024176064243452828 – about 2.4%

11) Yes this plot has a much clearer linear relationship between the two

12) yhat = 0.8178775753935567(x)+1.120645614513328

13) r = .0845842470276102

14) I dont think I understand the residuals graphing that well, but it looks like the LSR tends to overpredict the following years unemployment

15) It looks like the best prediction of unemployent is the previous years unemployment. I cose this answer because the correlations are all stronger and the groupings tighter.