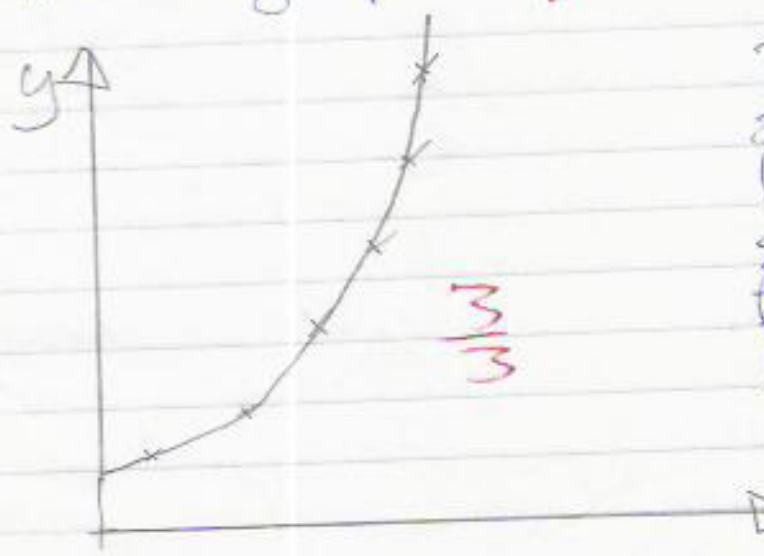
rice for each journey, and calculate either the Pearson or Spearman correlation, or both, depending on the look of the scattergraph. 4/4

b).



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The relationship between x and y is not linear, but they are clearly strongly related. Possibly the relationship is of the form $y = kx^2$ or $y = x^n + k$

m) In the long run the proportion of wet days is given by $0.75/(0.4+0.75) = 15/23$ ✓
(Since the transition matrix is given by $M = \begin{matrix} \\ \text{wet} \\ \text{dry} \end{matrix} \begin{bmatrix} 0.6 & 0.4 \\ 0.75 & 0.25 \end{bmatrix}$ ie $\alpha = 0.4$, $\beta = 0.75$
Proportion of wet days given by $\beta/(\alpha+\beta)$)

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