

Linear Regression: Uber vs Lyft

The following data was taken on Aug 30, 2017 using Uber, Lyft, and Google Maps.

Route	Miles x	Uber fare U	Lyft fare L
Westminster College to SLC airport	11.1	\$18.05	\$20.84
Westminster College to IKEA	19.2	\$23.97	\$29.63
Westminster College to Gallivan Center	3.9	\$8.65	\$10.15
Westminster College to The Void	33.6	\$39.40	\$50.06
Westminster College to Alta Ski Area	23.4	\$29.31	\$35.72

Plot the data and then find the regression lines and correlation coefficient for $U(x)$ and $L(x)$.

Does either company have a pickup fee? What is it?

How do Uber and Lyft differ on their pricing strategies?

Predict the cost of a 45-mile trip on Uber and Lyft.