**CSE 519 -- Data Science**

**Quant Shop Video Review Form**

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Video episode title: The Art of the Auction Episode number (1-8): 4

Of the eight episodes, how many have you previously watched?  (0-7): 1

Give the month and year you started your graduate studies at Stony Brook: August 2017

Did you learn anything by watching it?  (Y/N): Y  Describe stuff you did learn below (if Y):

I learnt a big deal about art, paintings and auctions after watching this episode of Quant shop. As I mentioned in my last review, finding the right data set was tough given there have been thousands of artists having millions of creations. I also got to know what factors can decide the selling price of a painting in an auction such as the artist value, if the artist is still alive, dimensions of the work and many more. This episode taught me that it’s always better to study various models like in this case the linear regression model, decision tree, and the KNN model before opting one.

What did you learn from looking at their project report?

I am honestly impressed with the amount of hard work they put in to build their model. The way they listed 24 parameters which may affect the selling price of the painting and then filtered out some to get the accurate prediction was never an easy task. They also categorized the features the basis of painting features, artist features, image features to get a hang of the relevant parameters. I also noticed how they compared 3 models (Linear regression, Decision Tree, KNN) on the basis of their medial and mean error percentage and then made the decision of choosing LR above all as their model. In the end their prediction was better than that of the painting house(Sothbey’s) and just 2 million above the actual price which is commendable.

Rate program quality from 1 (terrible) to 10 (amazing):9 Was it worth watching (Y/N)? Y

What could we do to make the videos better, and more educational?

1. More visual depiction of the data sets.
2. More insight about how to choose the right data sets and models.
3. Incorporating the project reports in the videos in short

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