ubc science co-op
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Bryan Lin

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: Bryan

TECHNICAL SKILLS

Programming:	SQL*, R, Python, Java
Other:	Excel, Tableau*, Jupyter, Power BI*, R Shiny*.
Statistics (not limited to):	Visualization, Correlation, Regression, Classification, Clustering, Statistical Inference, Experimental Design and Analysis.

* - Currently Learning

EDUCATION

University of British Columbia

BSc. In Statistics (thematic concentration in Economics)

Relevant Courses: Intermediate Statistics for Applications, Statistical Inference, Finding Relationships in Data, Sample Surveys, Software Construction, Data Science, Probability, Calculus I, II, III, and IV.

PROJECTS

Predicting Hypertension 04/2019

- Determined whether several factors are good predictors for Hypertension based on a data set gathered from UC Irvine's Machine Learning Repository for Chronic Kidney Disease.
- Created several classifiers to determine their respective accuracy rates. These accuracy rates determine how well the predictive model performs based on several factors.
- Visualized the data set for Chronic Kidney disease through scatterplots, boxplots, and residual plots.
- Performed K-nn Analysis to determine accuracy values.

Statistical Analysis on Starbucks Customers 12/2019

- Determined the average number of customers in a Starbucks lineup, and proportion of customer that were male and female, during peak hours at UBC's Life Building.
- Statistical design involved Stratified sampling, and Simple Random sampling, which utilized confidence intervals, and standard errors to learn more about Starbucks customers.
- Data analysis was achieved using R, and Microsoft Excel.