BROWN
Pre-College Programs

Instructor Name: Oleg Semenov
Student Name: Shafieen M. Ibrahim
Course Title: Econometrics: Statistical Tools to Understand Economic Data
CRN: 11096   **BannerID:** B01327134

Course Description: "Econometrics: Statistical Tools to Understand Economic Data" is a two-week pre-college course at Brown University that introduces students to statistical analysis using Economics questions as the main motivation. The course consists of three main parts: 1) "Organizing Data" 2) "Introductory Probability Theory" 3) "Statistical Inference". Despite being a part of the Brown Summer Pre-College Program, the topics covered are typical of an introductory undergraduate-level Econometrics course. The topics include: graphical interpretation of data, least squares regression analysis, probability laws, random variables, normal and binomial distributions, sampling distributions, the central limit theorem, and statistical inference. The course teaches students how to learn from data and draw conclusions using statistics in data analysis. The course is intended as a starting point for students who aim to take the AP Statistics test or who are interested in studying Statistics or Econometrics.

Student Evaluation: Shafieen Ibrahim's performance in this course was exceptional. The requirements of this course included three homework assignments, computer lab assignments, a final exam, and class participation. Not only did Shafieen's homework assignments and final exam demonstrate that he put forth a large amount of effort, but also that he processed the material in a deep, thoughtful way. Shafieen actively participated in class discussions. He showed that he can be a team player, sharing his own knowledge while at the same time learning from others. Despite being a pre-college course, this course used advanced mathematics and Shafieen showed both good mathematical ability and diligence in understanding the complex material. Given Shafieen's exceptional performance and analytical skills, he should perform well in a university in case he decides to choose Econometrics or Statistics as a major field of study. As the instructor, I enjoyed having Shafieen in my class.