

THE COST OF A COLLEGE EDUCATION

DR. MOHAN SADHASIVAN, STOCKBRIDGE HIGH SCHOOL

GRADE LEVEL AND CONTENT: 9th – 12th Mathematics

OVERVIEW

This project-based unit guides students in analyzing the cost of a college education through the use of algebraic and statistical skills. Students first research college investment options and make decisions based on longitudinal data and trends from a scatter plot. Then, students choose an appropriate regression model to analyze their data. The unit concludes as students analyze and share their findings and use these data to make practical financial preparations for college.

STANDARDS ADDRESSED

Mathematics: M.9-12.F.IF.1; M.9-12.F.IF.2; M.9-12.F.LE.1; M.9-12.F.LE.2; M.9-12.F.LE.3; M.9-12.S.ID.6a-c; M.9-12.S.ID.7; M.9-12.S.ID.8

AVAILABLE MATERIALS

- Video of Unit
- Daily Lesson Plans
- The Cost of College Education Project Packet
- The Cost of College Education Teacher Guide



ABOUT THE TEACHER

Dr. Mohan Sadhasivan is currently a 9th through 12th grade teacher at Stockbridge High School in Stockbridge, GA. Dr. Sadhasivan holds both a Bachelor's and Master's of Science in Math from Madurai Kamaraj University, as well as an Education Specialist degree in Math Education from Columbus State University. Dr. Sadhasivan serves as the Math Department Chair and Math Club Sponsor at Stockbridge High School. Dr. Sadhasivan's best piece of teaching advice is to focus on teaching mathematics that engages students' interest and enables students to apply their understanding in various contexts.