MAT-17 Verification and Validation HW

Background

Computers are used in all areas of Engineering and Science for models and simulations. In order to confidently use these models they must be verified and validated.

Instructions

In MAT - Modeling and Simulation, you created two models for the population of the Atlanta Metropolitan Statistical Area (MSA). One model used an exponential fit to a historical set of data for the MSA, the other a quadratic fit. As part of the activity, you created projections for the population for the years 2000 to 2010 and discussed the results.

This activity is to revisit your models using the concepts of verification and validation. Using the definitions of verification and validation in the reading module, discuss your Atlanta models. If you were part of a government work group tasked with accrediting a model for Atlanta region planners to use, what would be your opinion? Discuss this with the students at your table.

Submit a short, team write-up of your discussion and conclusions.