

STATISTICAL CONSULTING PROGRAM

SCP Letterhead Information

Contract

Date 02/06/2019

Consultant's Name and Address

Xinning Chu, George Washington University

Client's Name and Address

Feifang Hu, George Washington University

Project Title

A Device to Reduce Engine Emissions

Project Description

Manufacturers often claim that their product will achieve a certain result, based on laboratory tests. However, in some cases there are some questions about the testing methods used by the manufacturer. In this project, we will use statistical methods to investigate the claim made by a manufacturer that its device would cause hydrocarbon and carbon monoxide emissions to steadily decrease and carbon dioxide emissions to steadily increase when placed on a motor vehicle engine. We will draw a conclusion about if the device has a statistically significant effect to reduce engine emissions.

Client agrees to the services and conditions to be provided by the SCP as detailed in the Project Outline attached. On completion of SCP services client agrees to remit payment.

Signed

Z. Consultant

A. Client

SCP/Client Additions:

- The SCP analysis is based on the information and database provided by the client. To the best of the SCP's knowledge the integrity of the database, and information provided by the client, is without prejudice.
- The statistical computing will be performed on a subcontracted basis by a graduate student in statistics under the supervision of the SCP consultant.
- The SCP is to provide the client with presentation quality graphical summaries.
- *Other items as necessary.*