

Data Driven Decision Making

From avoidance to confidence in data analysis

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Need

An online course that engineers choose to take for building confidence in real world decision making

Current Problems

**Engineering students shun statistics
Stat. courses often lack real-world decision making
Many engineering curricula do not require statistics**

Assets

Successful 15 year history of teaching 30-50 students

New Technologies

**Online chalk talk
Powerpoint with voiceover
YouTube mini-lectures
On-line data lab projects through simulation
Students collect and submit real data online
Students submit decisions via online video
Video capture of Lab data collection**