Bruce G. Graham

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[My LinkedIn Profile](#) **in**

[My GitHub Profile](#) ⊙

ANALYZE DATA/SOLVE PROBLEMS/REMOTE: I am very passionate about data analysis/solving problems. My exceptional skills and abilities are highlighted by my projects, articles and achievements listed below. I'm ready to take on new challenges in the field of statistical analysis.

DATAQUEST PYTHON/SQL PROJECTS

First four projects below **received Community Project Champion of the Week award** with comments by Community Manager as shown. These projects and others are posted in GitHub.

[Fandango 2015 Movie Ratings - Legit or Bias](#) – *"Apart from amazing and informative graphs and profound statistical analysis, the project stands out for its interesting critics of data gathering process, individual approach to select a significant control group, curious observations and especially conclusion."*

[CIA Factbook Data Analysis using SQL](#) - *"It stands out for its very thorough data analysis, incredible background research supplemented with amazing pictures and demonstrating a huge curiosity to the topic."*

[Popular Data Science Questions](#) – *"Here he conducted a very thorough analysis, added awesome insightful visualizations and images, made interesting observations, and listed the most frequent questions apart from the most frequent tags."*

[Best E-Learning Markets to Advertise In](#) – *"It stands out for its innovative approach, applying Pareto principle, creating insightful visualizations, digging deep into the data, and obtaining interesting findings."*

[Hacker News Posts Analysis](#) – dug much deeper with analysis than DataQuest solution guide and came up with a very significant different conclusion.

ACHIEVEMENTS

Oregon Tool, *Quality & Mfg. Engineer*
Nov. 1997 – Jan. 2018

- Single handedly solved product quality problem – reduced defect rate from 36% to < 0.05%.
- Astonished product supplier by identifying their quality problem source simply by using data analysis.
- Slashed inspection cost using statistical analysis without sacrificing product quality > $100,000/year.
- Lead team in applying DOE to solve major supplier quality problem, reduced defect rate from > 25% to < 2%.
- Used Multiple Regression Analysis to significantly reduce automated machine downtime.
- Developed software program interface and macros without formal training (i) automatically generated desired output in innovative manner (ii) performed various test statistics not available on the market.
- Have extensive experience with statistical analysis software: *SPSS, SAS, STATGraphics, Minitab, & SQC.*

HARD SKILLS

- Python
- Pandas
- Numpy
- SQL
- APIs
- Command Line
- Six Sigma

- Data Cleaning
- Data Visualization
- Data Manipulation
- GIT & Version Control
- Regression Analysis
- Design of Experiments
- Root Cause Analysis
- 7 Quality Tools

AWARDS/CERTIFICATES

Completed DataQuest training path to ***Data Scientist in Python***: 144 lessons, 35 projects. [Certificate verified](#) - **Aug. 16/2021.**

Certified Six Sigma Black Belt – exam: 99/100

ASQ - Certified Quality Eng.
Professional Engineer

ARTICLES WRITTEN

[Data Explains Unlikely Win](#) Used data analysis to show why 8th seed NBA team beat 1st seed team in 2011 basketball playoffs.

[Quality of Data](#) Is it even relevant to talk about the quality of DATA compared to the quality of product or service?

[Show Me the Data](#) When is it appropriate to back statements with data?

EDUCATION

Bachelor of Applied Science – Mechanical Engineering