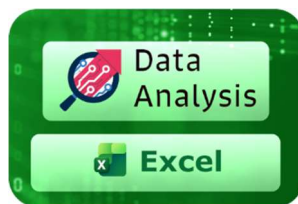




Data Analytics II with Excel



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Competition Overview and Components

Today's office environment requires sophisticated solutions for dealing with business data. For this competition, teams will use Excel to perform data analysis on the provided data set. Successful teams will demonstrate creative thinking to solve business problems and in-depth knowledge of Excel and data analytics.

Teams will be given the problem statement at the beginning of the competition time. Time will be allowed to read the problem statement and ask any questions in a common session. Once the question-and-answer time has closed, no further questions will be answered. At the end of the competition period, each team will be asked to submit their solution for judging.

Judging will take into consideration the team's level of detail, creativity, and independent thought. The problem statement consists of five sections, described below:

Team Composition

This competition is for an individual or a team of 2 students.

Skills (Shown at 3 levels: Baseline, Mastery, Advanced)

Excel

At the base level:

- Data Entry
- Basic Formulas
- Formatting Cells
- Worksheets

At the Mastery level:

- Tables
 - Sorting & Filtering
- Conditional Formatting
- Logical Functions: IF(), AND(), OR()
- Lookup Functions: VLOOKUP(), HLOOKUP(), XLOOKUP()
- Text Functions: LEFT(), RIGHT(), MID(), CONCAT()

At the Advanced Level:

- Data Import
- Complex Pivot Tables and Pivot Charts
- Slicers
- VBA Macros

Each team should have the ability to zip their files

Scoring

A rubric for scoring will be distributed with the problem statement at the beginning of the Competition time. General guidelines are in the Competition Overview above.

Schedule

See Competition Schedule for competition time and place. The time will include competition overview, competition work and turn in.

Check in will begin 15 minutes before the competition begins.

Resources

Each team must have at least 1 computer to complete your project

The competition is designed for *Office 365*

Competitors who use a different version of MS Office can still participate, however, if requirements are not met due to version differences competitors may end up losing points from the possible scoring criteria.