VISUALIZING DATA – DATA SCIENCE

SCOPE OF CONTEST

Contestants will be given a data set in the Fall of the year This is Statistics Fall Data Challenge and will use the Tableau software to build a data dashboard. Based on the data summarized, they will create a five-minute presentation with recommendations on how to solve a real-world problem. A panel of judges with evaluate the data dashboards and student presentation. Links to the datasets are found on the webpage.

Dataset Download

NUMBER OF COMPETITORS

Student teams: 2 – 10 members.

Limit of teams in competition: 5 teams

The event is a team competition. A team from each high school will work together on this project.
Fresno ROP reserves the right to modify enrollment due to limited spaces available.

RULES AND PROCEDURES

1. Each summer, Fresno City College will invite one teacher from each high school to a one-week Tableau training. The teacher will learn how to create a data dashboard and how to visualize data.
2. The teacher will return to their school and form a team of students to teach how to create a data dashboard that tells a story about the data.
3. In the Fall of the year, the American Statistical Association will release a data set (This is Statistics) with a real-world problem. The students will take the data set and create a data dashboard. The data dashboard will tell a story about the data used to make a set of recommendations on how to solve a real-world problem.
4. The team will create a five-minutes long to presentation to give on the Career Challenge day.
5. Our panel will judge each team on their data dashboard and presentation.

JUDGING CRITERIA

1. The data visualization is easy to understand.
2. The dashboard reflects the recommendations of the team
3. The Data visualization tells a story to answer the question posed by the Fall Data Challenge.

EQUIPMENT AND MATERIALS

Supplied by the Career Skills Challenge:
a.   Computer with projector
b.   Tableau software Education license provided by Tableau
c.   Presentation software – Google Sheets or PowerPoint

DRESS CODE

Appropriate school attire (Presentation Attire)