CHAPTER 1 SCATTER PLOT - GRAPHING TOOL

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HYPOTHESIS

- Large cars require large engine size
- Large engine require more fuel
- Large car take more fuel and have more weight.
- Large car low on Mileage (City Miles per Gallons).
OBSERVATIONS AND INERENCE

- Higher Spending on gas for large car.
- City miles per gallon reduces as we move from Honda civic Hybrid to Honda civic HX to Ford explorer to Hummer.
- Engine size (in litres) increases as we move from Honda civic Hybrid to Honda civic HX to Ford explorer to Hummer.
SCATTER PLOT CHARTING TOOL – TWITTER DATA

Twitter Profile Classification by TFFR

Baseline Profiles

Suspicious Profile

Leader and Influential Profile are missing

Seeker Profile
HYPOTHESIS  TWITTER FOLLOWER-FRIEND RATIO

- **TFFR < 1.0**
  + you are seeking knowledge, but not getting Twitter Love in return.

- **TFFR ~ 1.0**
  + you are respected among your peers. You're listening and being listened to.

- **TFFR >= 2.0**
  + you are a popular person and people want to hear what you have to say. You might be a thought leader in your community.

- **TFFR > = 10**
  + you're either a Rock Star in your field or you are an elitist and you cannot be bothered by Twitter's mindless chatter. You like to hear yourself talk. Luckily others like to hear you talk, too.
COMPONENTS AND FUNCTIONALITY OF TOOL

Data Display Panel Header – records sortable by column

Datagrid View using Excel Sheet Layout

Attribute Selection with (Min, Max) Range

Used in Axis Selection on Row Selected
COMPONENTS AND FUNCTIONALITY OF TOOL

Select the entire row in Attribute Section and click on Select axis to choose that axis.

Populate Data Plotting Panel and display Scatter Plot in Charting Area.

Range Selection and Data Point Annotation implemented.

Interaction Panel

Missing Data not displayed as chart is databound to Data Plotting Panel and missing values not populated in it.