

SQL Server 2016 Discovery Day “Hack”

The purpose of the hack is to use SQL Server 2016’s new features such as Polybase, R predictive analytics or any other features of your choice and/or to create a dashboard to utilize Power BI and explore geographical and/or temporal trends in the PASS provided “Discovery Data”.

The main idea is "**Here's some data, now go see what you can do to showcase SQL 2016 features and tell a story**".

Possible scenario for people interested in analytics

For beginners: Import some data into Power BI and display some maps.

Intermediate: People who wanted to stretch that some more could do something with slicers or a play axis to come up with some more effective visuals for telling a story.

Advanced: People more interested in data consumption than visuals could consider pushing the data into Data Lake or Blob Storage and then into SQL using Polybase to explore that feature.

Possible scenario for people interested in R

Use R for trend lines in reports, or regression analysis, etc.

Possible scenario from PASS

Discovery Data provided by PASS

- Virtual Chapter membership (with member location)
- SQL Saturday Registration Data and session/track
- PASS Membership Data
- Multi-year Summit Data including title, track, score etc.
- Multi-year Summit Registration data including geographic location of attendee

Questions for exploration:

From how far away do attendees travel to SQL Saturday? Are there any geographic trends to the distances traveled?

Does the SQL Saturday session data provide any insight into what sessions are chosen for Summit? Are there any trends in session or topic content that can be established?

Are there any geographical insights that can be discerned? Do the sessions presented at SQL Saturday help predict popularity or selection of sessions at Summit?

Does virtual chapter member data provide any insights into PASS membership growth?

Judging

Solutions will be judged based on (1 to 10 points per judging category)

- Use of new features in SQL Server 2016
- Usefulness of the dashboard in Power BI/visualizations for the community (if any)
- Completeness of the solution
- Innovativeness of solution
- Bonus points for mobile friendliness