

# Social Data Science - Accessing Google Big Query with Python, R & Tableau

phData

sales@phdata.io  
@phdatainc  
phdata.io



# BridgeTheGap

Google BigQuery

Brock



B

COMPOSE QUERY

Query History

Job History

phData Hadoop

▼ bridgethegap

■ AchievementGap\_District\_S...

■ AchievementGap\_Math

■ AchievementGap\_Reading

■ AchievementGap\_Statewide\_...

■ attendanceratesschool

■ demographicsteachers

■ enrollmentbyethnicitycounty

■ enrollmentbyspecialpopulatio...

■ enrollmentnonpublic

■ geolocation

■ graduates

■ graduatesstatusendcounts

■ graduationindicatorsschool

■ highly\_qualified\_teacher

■ licensed\_headcount\_and\_fte\_...

New Query ?

Query Editor

UDF Editor



1 SELECT .....

RUN QUERY

Save Query

Save View

Format Query

Show Options



## Table Details: AchievementGap\_District\_Summary

Query Table

Copy Table

Export Table

Delete Table

Schema

Details

Preview

index	INTEGER	NULLABLE	Describe this field...
Year	INTEGER	NULLABLE	Describe this field...
NCLBID	INTEGER	NULLABLE	Describe this field...
districtNumber	INTEGER	NULLABLE	Describe this field...
districtType	INTEGER	NULLABLE	Describe this field...
DistrictName	STRING	NULLABLE	Describe this field...
Subject	STRING	NULLABLE	Describe this field...
CountofStudentGroupsIdentified	INTEGER	NULLABLE	Describe this field...

# How to get access?

- E-mail [brock@phdata.io](mailto:brock@phdata.io) and ask!
  - Must have a gmail account or Google apps account

# How to request changes?

- Create Github Issue:
  - <https://github.com/SocialDataSci/bridgethegap/issues>
  - <http://bit.ly/1Scz88B>

# Using with other datasets?

×

Create Dataset

Dataset ID

MyDataSet

?

Data location

US

?

OK

Cancel

Expire new tables in one day. ☐ ?

# Using with other datasets?

Create from Previous Job

## Create Table

### Source Data

Location	File upload	Choose file	No file chosen
File format	CSV		

### Destination Table

Table name	MyDataSet	Destination table name	?
Table type	Native table	?	

### Schema

Name	Type	Mode
	STRING	NULLABLE

# Add other data sets?

- Create Github Issue:
  - <https://github.com/SocialDataSci/bridgethegap/issues>
  - <http://bit.ly/1Scz88B>

# Limits?

- Yes, but attached to your account
- <https://cloud.google.com/bigquery/quota-policy>