



DATA ACCESS CHEATSHEET

ANZICS Core Critical Care Datathon

Data Hosting

ANZICS, eICU and MIMIC datasets are all hosted in Google Cloud BigQuery

- ANZICS: <https://bigquery.cloud.google.com/dataset/datathon-datasets:anzics>
- eICU: <https://bigquery.cloud.google.com/dataset/datathon-datasets:eicu>
- MIMIC-III: <https://bigquery.cloud.google.com/dataset/datathon-datasets:mimic>

For ANZICS dataset, the variable list documentation is available at

- PDF format: https://storage.cloud.google.com/datathon-datasets-anzics/ANZICS_datathon.2018_variable_list.pdf
- Excel format: https://storage.cloud.google.com/datathon-datasets-anzics/ANZICS_datathon.2018_variable_list.xlsx

Data Access Tutorials

BigQuery Standard SQL reference: <https://cloud.google.com/bigquery/docs/reference/standard-sql/>

- Colab tutorial notebook: <https://goo.gl/XJp9jb>
- R tutorial notebook: 'tutorial.Rmd' available in RStudio home directory.
 - Shared RStudio environment
 - * Server IP found at "External IP" field of Google Compute Engine instances:
<https://console.cloud.google.com/compute/instances?project=datathon-client-00>
 - * RStudio port: 8787
 - * Example RStudio server link: <http://35.189.25.127:8787>
 - * Username: r-user
 - * Password: password
 - Private (team) RStudio environment
 - * Ask for a team cloud project instance 'datathon-client-XX', where 'XX' is between 01 and 20
 - * Server IP found at "External IP" field of Google Compute Engine instances:
<https://console.cloud.google.com/compute/instances?project=datathon-client-XX>
 - * RStudio port: 8787
 - * Username: 'analystX' (where 'X' is between 1 and 5)
 - * Password: same as username
- BigQuery Console Access: <https://bigquery.cloud.google.com/welcome/datathon-datasets>
- JDBC/ODBC BigQuery access
 - Driver download: <https://cloud.google.com/bigquery/partners/simba-drivers/>
 - JDBC Access URL:
https://www.simba.com/products/BigQuery/doc/JDBC_InstallGuide/content/jdbc/bq/using/connectionurl.htm
 - ODBC connection guide: https://www.simba.com/docs/ODBC_QuickstartGuide/content/quick_start/intro.htm
 - Matlab example using JDBC:
<https://github.com/GoogleCloudPlatform/healthcare/blob/master/datathon/anzics18/tutorial.matlab>