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Handy Guide to Refreshing State Metric Tool

This memo outlines how to refresh the State Metric Tool (link to the online tool: <https://educationsuperhighway.shinyapps.io/state_metric_dashboard/> ) with new data. The code and data for the tool (including this document) sit in the Google Drive directory here: <https://drive.google.com/drive/u/1/folders/0By3oZY79FljSUU5jTGExeGFHTms?usp=drive_web>.

*Setup*

If you have never committed the State Metric Tool from your computer before, the following steps are required to set up the environment.

1. Link the Google Drive Folder onto your local machine: <https://drive.google.com/open?id=0By3oZY79FljSUU5jTGExeGFHTms>
2. Make sure your computer is authorized to commit to the shinyapps.io account:

<https://educationsuperhighway.atlassian.net/wiki/display/SA/Shiny+Account+Information>

1. Also make sure your computer has the capability to sync to the database:

<https://educationsuperhighway.atlassian.net/wiki/display/SA/DB+Access+through+R>

1. Lastly, run /sm\_dashboard\_master/metrics/code/setup\_smt.R to make sure the appropriate packages are installed on your system.

*Refreshing the State Metric Tool*

1. Run /sm\_dashboard\_master/metrics/code/grab\_data.R to pull the newest version of the Deluxe Districts tables. Leave the settings as is (dd = 1, sr = 0, default settings), as we don’t need the services received tables at the moment (and the connection times out when trying to grab these). Also make sure to confirm with Justine that the new views have been refreshed before pulling the new data.
2. Run /sm\_dashboard\_master/metrics/code/state\_metrics.R with deploy = 1 (default settings), which will refresh the metrics with the new data and deploy the tool.
3. Run /sm\_dashboard\_master/metrics/code/status\_tables.R with cleanliness = 1, alert = 0, and upgrades = 0 (default settings) to update the fit for analysis status script (Lacy has the link to this, but it’s also here: <https://drive.google.com/open?id=0By3oZY79FljSZmZFOUp2Tm9zb3M)>

*Trouble-Shooting*

Problems Deploying the App

If there is ever a problem deploying the app from the command line (the last line of the state\_metrics.R script), try restarting the R session and re-running the script. If there are still errors committing (that are not-specific to the code or the data), you can re-run the state\_metrics.R script with deploy <- 0 and then open the /sm\_dashboard\_master/tool/state\_metric\_dashboard.Rmd file. There should be a “Knit” button in the top left corner which you can select. After the tool has run in a separate RStudio window, you can select “Publish” (or “Republish”) in the top left corner, and then select “Publish” again. The new browser will open once the tool is successfully deployed.

Problems with the Data

If the state\_metrics.R script errors out (prior to the deploying stage), and it is hard to debug, you can always revert to an old version of the data. All this requires is deleting the most recent deluxe district tables in /sm\_dashboard\_master/metrics/data/raw/deluxe\_districts/. There should be two tables that you’ll need to delete (2015-districts-deluxe-crusher-materialized-MOST-RECENT-DATE.csv and 2016-districts-deluxe-endpoint-MOST-RECENT-DATE.csv). After deleting the two files, re-run the state\_metrics.R script which will now revert the tool to the old data.