Layout – 1 to 12 on top & bottom rows are grid references. These are not part of the dashboard. Grey cells are unused.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Dashboard Banner | | | | | | | | | | | |
|  | group\_by label  (year or decade) | |  | graph\_type\_label  (line or area) | |  | | | | | |
|  | group\_by radiobtn  id=’group-by-radio’ | |  | graph\_type radiobtn  id=’graph-type-radio’ | |  | | | | | |
| px.line or px.area(default)  labels in place of legends  id = ‘graph-plot’ | | | | | | px.line or px.area(default)  year/year or decade/decade  labels in place of legends  id = ‘graph-diff’ | | | | | |
| Corr X Radio Label | | |  | Corr X Radio  id=’corr-x-radio’ | | |  |  |  |  |  |
| Corr Y Radio Label | | |  | Corr Y Radio  id=’corr-y-radio’ | | |  |  |  |  |  |
| Correlation (px.scatter)  id = ‘graph-corr’ | | | | | | TODO:  CARD showing correlation stats  id = ‘corr-stats’  x\_corr - column name  y\_corr  min\_x  max\_x  slope  offset  intercept  r-squared | | | | | |
| Dash AG Table  Id=’dash-ag-table’ | | | | | | Describe column heads with CARD  id = ‘card\_header’, ‘card\_text’ | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

I created a dashboard with a scatter\_map, a bar chart, a dash bootstrap card and a dash-ag table.

The focus is on storage in the contained body of water. Note that many bodies of water have multiple dams that show up on the bar chart with equal values. This is expected because every dam on the same body of water contains the same volume of water. Example is Lake George in New York/Ticonderoga with 2 dams, or the Saint Lawrence River in New York with 11 dams along this border river with Canada.

Still a bit rough around the edges, I will update a few things before Friday if time permits.

Here is a screenshot for California.

A screenshot of a computer

AI-generated content may be incorrect.

Here is the code: