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 made a dashboard with 6 major components. Two plots display data on the left, and incremental change on the right. A radio button groups the data by decade or year, with 2nd radio button for plotting with px.line or px.area. Group by decade has the sums for each year of that decade, with 2020s excluded for only having 2 years in data set.

A graph of co2 emissions

AI-generated content may be incorrect.

The middle section has a px.scatter correlation graph on the left, and correlation statistics in dbc cards on the right. Radio buttons select the X axis and Y axis parameters. When same parameter is used on both axes, you can see best case, ideal correlation stats. A best fit line was added as a go.Scatter trace.

A screenshot of a computer

AI-generated content may be incorrect.

Bottom has a dash-ag table and a card describing each parameter. I renamed all columns and kept the original long descriptive text for the parameter descriptions on the right, and as dash-ag tooltips.

A screenshot of a computer

AI-generated content may be incorrect.

Here is the code: