Python IDE Selection

Chart, bubble chart

Description automatically generated

**Interpretation of the “PYTHON IDE SELECTION” Dashboard**

1. The dashboard is a full pictorial view of Python IDEs which are available for “Kitchen Designs”.

The first Bubble Chart depicts the available IDEs and their current release versions. The size of the circles is based on the total number of “Yes/Green” that is attributed to each of the IDE. The fields marked green or yes are whether the IDE support Python 2x, Python 3x, if Debugging is available for the IDE, if the IDE has a GUI builder, profiler and if the IDE has an integrated toolchain.

Next, a Text Table is used to depict the development environments the IDEs were written in and the platforms that can run the IDE. The platforms are also shown in colors. Text Table is also used to show the available license for these IDEs and the type of Widget Toolkit that comes with the IDE. A Line Chart was used to keep track of the release date of the IDEs.

Filters are also made available for easy navigation to an IDE of interest. The filters include IDE, Python 2x support, Python 3x support, Integrated Toolchain, Debugger option and GUI Builder. By default, all the filters show all dataset until a user applies a filter based on specification.

2. Users of this dashboard can filter the dashboard based on their preference needed for a particular IDE. For example, if you need an IDE that support Python 2, or Python 3, and will be able to run on a Windows computer, select “Yes” in the “Python 2x support” and “Python 3x support” filters and select “Windows” from the platform list. Similarly, if the requirements of the user are an IDE that supports Python 3x, has debugging capabilities, has GUI builder and can run on both Windows and Mac, they get the chance to apply those filters and only see results for that IDE.

The charts are dynamic, and all filters applied brings results that is related to the filter applied. All the filters affect all the charts. By default, all filters are selected to show the entire data. Example, the visualization below is filtered to show IDEs that support Python 2x, Python 3x, operates on Windows, and has debugger option.

Chart, bubble chart

Description automatically generated