

**Estimated time needed: 30 minutes**

For this lab, you will be required to create your login on <https://chartix.ai/>

After completing this lab, you will be able to:


1. Sign in on <https://chartreel.com/>
2. Upload a Dataset
3. Generate the charts and customize them
4. Include AI insights on the charts
5. Select the most appropriate charts for Dashboard creation

- Knowledge of data visualization (basic chart types)

The dataset "electronics\_dataset.csv" is generated using a generative AI prompt. Keeping the Ctrl pressed, you can download it from [here](#). The attributes of the dataset include product ID, title, price, sale rank, brand, category, and availability. Those attributes provide product details, such as identification, pricing, popularity (sales rank), brand, category, and availability status.


Step 1: Click the link below and then click **signup**, if you do not have login credentials  
<http://www.chartpixel.com/>


Learn everything about your data in seconds


A screenshot of the Google sign-up form. At the top left is the Google logo. To its right is a button that says "Sign up with Google". Below this are five rounded rectangular input fields. The first four are labeled "Name", "Email", "Password", and "What role describes you?". The fifth field is labeled "How proficient are you in data analysis?".


Once the signup process is complete, log in to the platform.


Step 2: Then click **Choose file** and select the file 'electronics\_dataset.csv' from the location where you have saved the file on your machine. You can download it from [here](#) if you have not downloaded the file.





 Upload your data

 Web data search

 Your projects

 Project settings


 Account

 Logout

# DATA UPLOAD


Please upload or drop your data here. The file format needs to be **XLIX** or **CSV**, and preferably in a raw format as shown in the image.


You can also explore other upload options, such as, linking with a Google Sheet or directly copying from your clipboard.

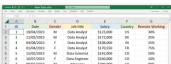


See our [blog](#) for detailed instructions on how your file should look like.

No data at hand? Visit our [data library](#) for learners.

 ChartPixel is in **beta** and free to use. Our core features are **public** and **beta** (unpublished) and our API will be available in **early 2023**.

 We are committed to **data privacy** and **security** at the highest level.



Example of raw data

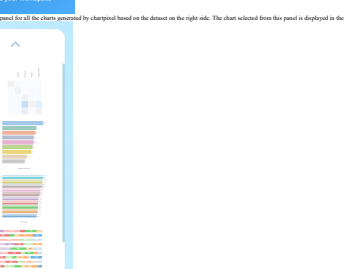
It will take a while to upload and process the dataset, you will see a progress bar on the 'Data upload' screen.

Once the data is uploaded, you will be in your project space. On the left side, you will have the left panel to move between your projects, go back to your workspace, etc.

electronics dataset

- Autogenerated charts
- Data exploration View data
- Summary
- Export or publish
- Share or make public
- View data
- Back to your workspace

Then, there is a panel for all the charts generated by chartgpt based on the dataset on the right side. The chart selected from this panel is displayed in the main center window.



The interface shows a sidebar on the left with a list of generated charts numbered 1 to 5. Chart 1 is selected and highlighted. The main window displays the selected chart, which is a heatmap visualization of the electronics dataset.

Step 2: Click **Description** to get the details about the chart.

Description

- This matrix demonstrates the predictive ability of one column in relation to another. It utilizes a Predictive Power Index (PPI) that can identify both linear and more complex relationships. The PPI is measured on a scale from 0 (indicating a failure to predict) to 100 (indicating a perfect prediction).
- The squares in darker shades indicate stronger predictions, making them more significant for generating meaningful charts. Additionally, the legend displays both positive and negative correlations, while squares shaded in **■** represent undetermined correlations.

Insights

Step 3: Click **Insights** to get a further understanding of the chart.

Description

Insights

- The data, on the whole, indicates that there are only a few significant correlations.

Step 4: You can click the options at the bottom to get an AI insight, change the color, download the chart, delete the chart, and save to export the chart.



#### Task 4: Exploring the charts and saving them for the dashboard

For your dataset, chatgpt4o has generated 5 charts.

Step 1: Click each chart in the left panel one by one.

Step 2: Go through the insights and description for each chart. This will help you know which charts you want to keep for your final dashboard.

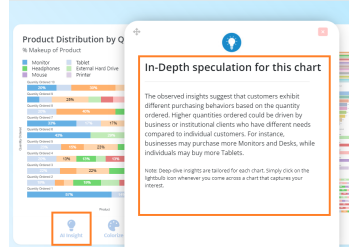
For example, the first chart displays the correlations, and the insight displays: "The data, on the whole, indicates that there are only a few significant correlations."

Description

Insights

- The data, on the whole, indicates that there are only a few significant correlations.

Step 3: Get in-depth insight through AI insight on this chart; click on the **AI insight** icon.



Step 4: Download the chart. If you want to prepare your dashboard on your local machine or save the chart for preparing the presentation later through chatgpt4o.

Note: Downloading of the charts is not yet enabled on the chatgpt4o Dashboard.

#### Task 5: Exporting the charts

Step 1: Click the **More icons** at the bottom to save the chart(s) you want to save and export.

More icons

Export or publish

Step 2: Click on the **file icon** panel, and then click **Export or publish**.

electronic's dataset

Autogenerated Charts

Data exploration

Summary

Export or publish

Share or make public

View data

Back to your workspace

Step 3: Select on the file type to export the charts for dashboard. (As of now, only PowerPoint is available in the free trial version.)

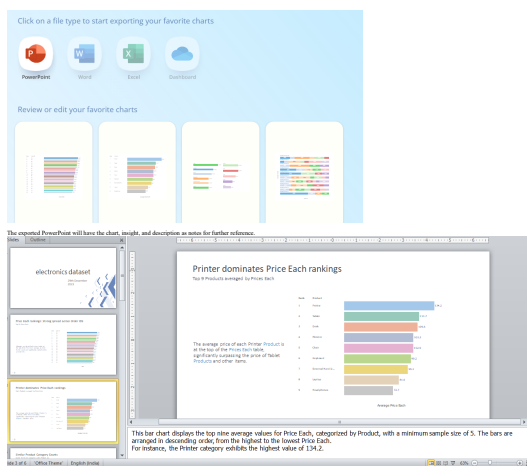
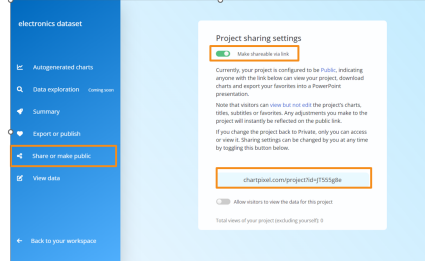


Figure 4: You can also share the charts through a shareable link. Click **Share or make public** in the left panel, and then click **Make shareable** via the link toggle button to make your project public.



#### Conclusion

In this lab, you learned how to use generative AI to generate various visuals and insights to prepare a dashboard on your dataset using the changepoint tool.

#### Author(s)

Dr. Praga

© IBM Corporation. All rights reserved.

