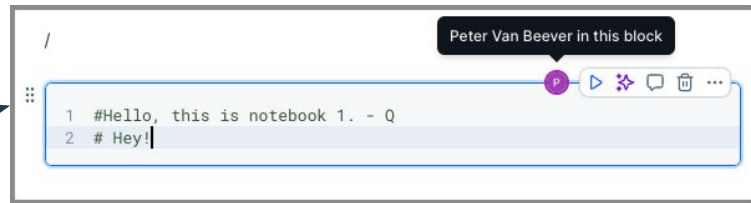# DeepNote

# Description of Deepnote:

- Deepnote is a cloud-based collaborative data science notebook, this notebook was built by a team lead by Jakub Jurovych. Deepnote was launched in October 2020. It is easy to use, support multiple programming languages like Python, SQL and R. It also intergrats lots of data warehouses and lakes, databases, and cloud files.
- **key features:**
  - Real-time Collaboration
  - AI Assistance
  - Interactive Visualizations
  - Integration and Compatibility

# Special Features

- Real-time Collaboration
- AI Assistance
- Interactive Visualizations

Peter Van Beever in this block

```
1  #Hello, this is notebook 1. - Q
2  # Hey!
```

我想知道船舱等级跟存活率的关系，用图表示

```python
1  import pandas as pd
2  import matplotlib.pyplot as plt
3  import seaborn as sns
4
5  # Load the train dataset
6  df_train = pd.read_csv('train.csv')
7
8  # Calculate survival rate by Pclass
9  survival_rate_by_pclass = df_train.groupby('Pclas
10
11 # Plot the survival rate by Pclass
12 plt.figure(figsize=(10, 6))
13 sns.barplot(x='Pclass', y='Survived', data=surviva
14 plt.title('Survival Rate by Pclass')
15 plt.xlabel('Pclass')
16 plt.ylabel('Survival Rate')
17 plt.show()
```

Generating blocks...

DataFrame SQL ∨    Variable: df_2

Beta   Review the results of 待店下来的入时牛取刀书情况

| Data | Format | Display |

Bar chart ∨     Explore

X Axis    BIN(5) ∨   Age
Y Axis    COUNT ∨    Survived
Sort
Swap ax

Search

None
Count of Records

Group by
Color          PassengerId
Stacking       Survived
Stacking sor   Pclass
Size           Name
               Sex

Hide sidebar          Layers:    Bar ...    + New layer

### Age Distribution of Survived Passengers

Survive
● 0
● 1

Count of Records

120
100
80
60
40
20
0

0  5  10  15  20  25  30  35  40  45  50  55  60  65  70  75  80

Age (binned)

# Compare it to Jupyter

Jupyter

- Python, R
- Support Markdown
- Data Visualization
  - Matplotlib
  - Seaborn
  - Plotly

DeepNote

- Python, R, SQL
- Support Markdown
- Data Visualization
  - no-code configurable charts

# Contrast against Jupyter

Jupyter

- Import file - Code
- Locally
- No AI
- Work by yourself

DeepNote

- Import file - drag / drop
- Entirely cloud-based
- Integrates AI
- Work with teams

# DeepNote > Jupyter ?

Everywhere

# Recommendation

Yes.

# Citation

https://datasciencenotebook.org/deepnote

https://deepnote.com/docs

https://odsc.com/speakers/deepnote-a-collaborative-data-science-notebook/#:~:text=Jakub%20Jurovych%20is%20a%20founder,Machine%20Learning%20and%20Computer%20Vision.

https://deepnote.com/compare/jupyter-vs-deepnote