# D-Tale

D-Tale is the combination of a Flask back-end and a React front-end to bring you an easy way to view & analyze Pandas data structures. It integrates seamlessly with ipython notebooks & python/ipython terminals. Currently this tool supports such Pandas objects as DataFrame, Series, MultiIndex, DatetimeIndex & RangeIndex.

In [1]:

```
! pip install -U dtale
```

```
Collecting dtale
  Downloading dtale-1.44.1-py2.py3-none-any.whl (14.4 MB)
Collecting squarify
  Downloading squarify-0.4.3-py3-none-any.whl (4.3 kB)
Collecting lz4; python_version > "3.0"
  Downloading lz4-3.1.3-cp37-cp37m-win_amd64.whl (192 kB)
Requirement already satisfied, skipping upgrade: scipy in c:\users\dell\ap
pdata\roaming\python\python37\site-packages (from dtale) (1.5.4)
Requirement already satisfied, skipping upgrade: requests in c:\users\dell
\appdata\roaming\python\python37\site-packages (from dtale) (2.25.1)
Collecting kaleido; python_version > "3.6"
  Downloading kaleido-0.2.1-py2.py3-none-win_amd64.whl (65.9 MB)
Collecting strsimpy
  Downloading strsimpy-0.2.0-py3-none-any.whl (45 kB)
Requirement already satisfied, skipping upgrade: Flask>=1.0 in c:\programd
ata\anaconda3\lib\site-packages (from dtale) (1.1.1)
Collecting dash>=1.5.0
  Downloading dash-1.20.0.tar.gz (77 kB)
Requirement already satisfied, skipping upgrade: et-xmlfile; python_versio
```

# Import Dataset

In [2]:

```
import pandas as pd

# Penguins
df = pd.read_csv('demo1.csv')
```

In [3]:

```
df.head()
```

Out[3]:

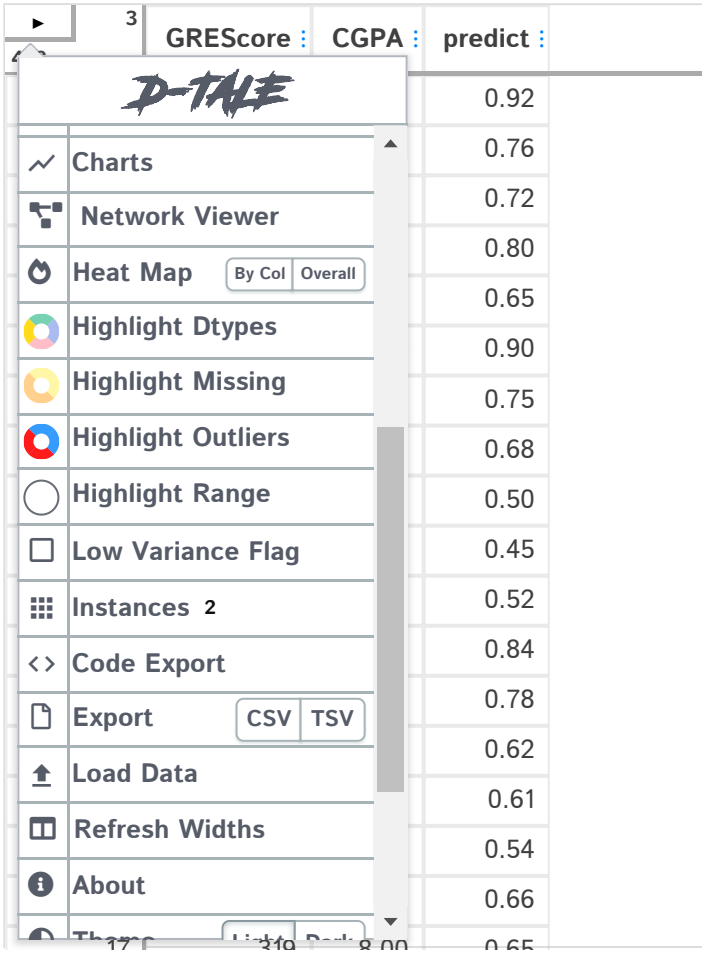
| | GREScore | CGPA | predict |
|---|---|---|---|
| **0** | 337 | 9.65 | 0.92 |
| **1** | 324 | 8.87 | 0.76 |
| **2** | 316 | 8.00 | 0.72 |
| **3** | 322 | 8.67 | 0.80 |
| **4** | 314 | 8.21 | 0.65 |

# Using dtale

In [5]:

```
import dtale
import dtale.app as dtale_app

dtale_app.USE_NGROK = True
dtale.show(df)
```




Out[5]: