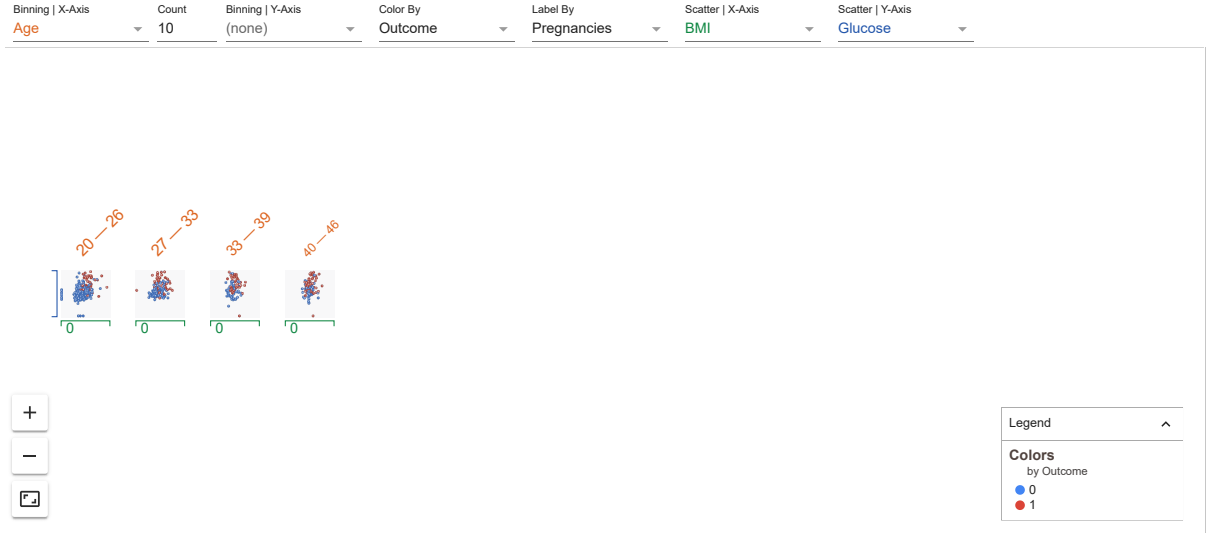
```
!pip install facets-overview
```

```
Collecting facets-overview
  Downloading https://files.pythonhosted.org/packages/df/8a/0042de5450dbd9e7e0773de93fe84c999b5b078b1f60b4c19ac76b5dd889/facets_overview-1.0.0-py2.py3-none-any.whl
Requirement already satisfied: protobuf>=3.7.0 in /usr/local/lib/python3.7/dist-packages (from facets-overview) (3.17.3)
Requirement already satisfied: pandas>=0.22.0 in /usr/local/lib/python3.7/dist-packages (from facets-overview) (1.1.5)
Requirement already satisfied: numpy>=1.16.0 in /usr/local/lib/python3.7/dist-packages (from facets-overview) (1.19.5)
Requirement already satisfied: six>=1.9 in /usr/local/lib/python3.7/dist-packages (from protobuf>=3.7.0->facets-overview) (1.15.0)
Requirement already satisfied: pytz>=2017.2 in /usr/local/lib/python3.7/dist-packages (from pandas>=0.22.0->facets-overview) (2018.9)
Requirement already satisfied: python-dateutil>=2.7.3 in /usr/local/lib/python3.7/dist-packages (from pandas>=0.22.0->facets-overview) (2.8.1)
Installing collected packages: facets-overview
Successfully installed facets-overview-1.0.0
```

```
import pandas as pd
from IPython.core.display import display, HTML
```

```
df=pd.read_csv('/content/diabetes2.csv')
feature_names = ['Pregnancies', 'Glucose', 'BloodPressure', 'SkinThickness', 'Insulin', 'BMI', 'DiabetesPedigreeFunction', 'Age']
X = df[feature_names]
y = df.Outcome
from sklearn.model_selection import train_test_split
from sklearn.model_selection import cross_val_score
from sklearn.metrics import accuracy_score
X_train, X_test, y_train, y_test = train_test_split(X, y, stratify = df.Outcome, random_state=0)
```

```
jsonstr = df.to_json(orient='records')
HTML_TEMPLATE = """
<script src="https://cdnjs.cloudflare.com/ajax/libs/webcomponentsjs/1.3.3/webcomponents-lite.js"></script>
<link rel="import" href="https://raw.githubusercontent.com/PAIR-code/facets/1.0.0/facets-dist/facets-jupyter.html">
<facets-dive id="elem" height="600"></facets-dive>
<script>
var data = {jsonstr};
document.querySelector("#elem").data = data;
</script>"""
html = HTML_TEMPLATE.format(jsonstr=jsonstr)
display(HTML(html))
```



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