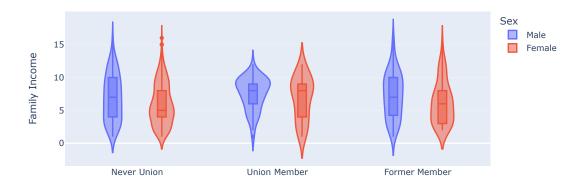
```
In [2]: import os
         import pandas as pd
         os.chdir("C:/Users/rmjol/OneDrive/Documents/School/Summer2023/MLNN/01")
         cces_df = pd.read_csv("cces_sample.csv")
In [3]: import plotly
         import plotly.express as px
         from plotly import version
         from plotly.offline import download_plotlyjs, init_notebook_mode, plot, iplot
         init_notebook_mode(connected=True)
         income_union = cces_df.loc[:,("union", "faminc_new", "gender")]
union=["Union Member", "Former Member", "Never Union"]
union_numeric = [1, 2, 3]
         gender=["Male", "Female"]
         gender_numeric = [1, 2]
         income_union["union"] = income_union["union"].replace(union_numeric, union)
         income_union["gender"] = income_union["gender"].replace(gender_numeric, gender)
         fig1 = px.violin(income_union, y="faminc_new", x="union", color="gender",
                           box=True,
                            labels={
                                "faminc_new": "Family Income",
                                "union": ""
                                "gender": "Sex"
                                },
                            title="Income and Union Relationship by Sex",
                            width=800, height=400
         fig1.show()
```

Income and Union Relationship by Sex



In [4]: output_notebook()



BokehJS 3.1.1 successfully loaded.

In [5]: show(fig2)

Support and Opposition Counts for Tax Changes

Support Opposition

Opposition

Opposition

Support Opposition

Add Opposition

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Support Opposition

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