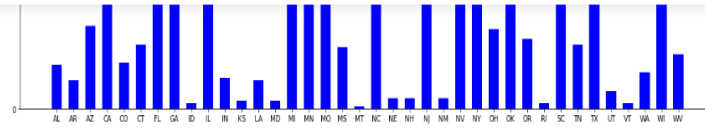


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```
In [132]: # Join 3 tables to see the number of cars on sale of each model by each state

import plotly.express as px
df_cars_final = pd.DataFrame()
query=conn.execute("select carmodel_type.make as make,count(*) as num_cars,usa_state.US_STATE_SHORT_CODE as State_code FROM
cars_model_type cars_model_type join usa_state usa_state on cars_model_type.usa_state_short_code = usa_state.usa_state_short_code")
cols = [column[0] for column in query.description]
results= pd.DataFrame.from_records(data = query.fetchall(), columns = cols)

fig = px.bar(results, x="make", y="num_cars", color="State_code", title="Number of cars On Sale by state and model")
fig.show()
```

Number of cars On Sale by state and model

