In [9]:

```python
# Define the figure and add a scatter plot
p2 = figure(title='Mall Customer Dataset with projection and rotation', x_axis_label=x, y_axis_label=y)
p2.scatter(x='x_proj', y='y_proj', source=male_source, size=8, fill_alpha=0.5, color='red', legend_label='Male')
p2.scatter(x='x_proj', y='y_proj', source=female_source, size=8, fill_alpha=0.5, color='purple',legend_label='Female')
```

Out[9]:

GlyphRenderer(id = 'p1146', ...)

In [10]:

```python
# Add a legend
p1.legend.location = 'top_left'
p1.legend.title = 'Genre'

p2.legend.location = 'top_left'
p2.legend.title = 'Genre'
```

In [11]:

```python
# Create a layout grid for the two plots
plots = gridplot([[p1, p2]])
```

In [12]:

```python
# Displaying the Plot
output_notebook()
```

(https://bokeh.org)
BokehJS 3.1.0 successfully loaded.

In [13]:

```python
# Show the plot
show(plots)
```