

```
In [ ]: # Import library
import pandas as pd
import plotly.express as px

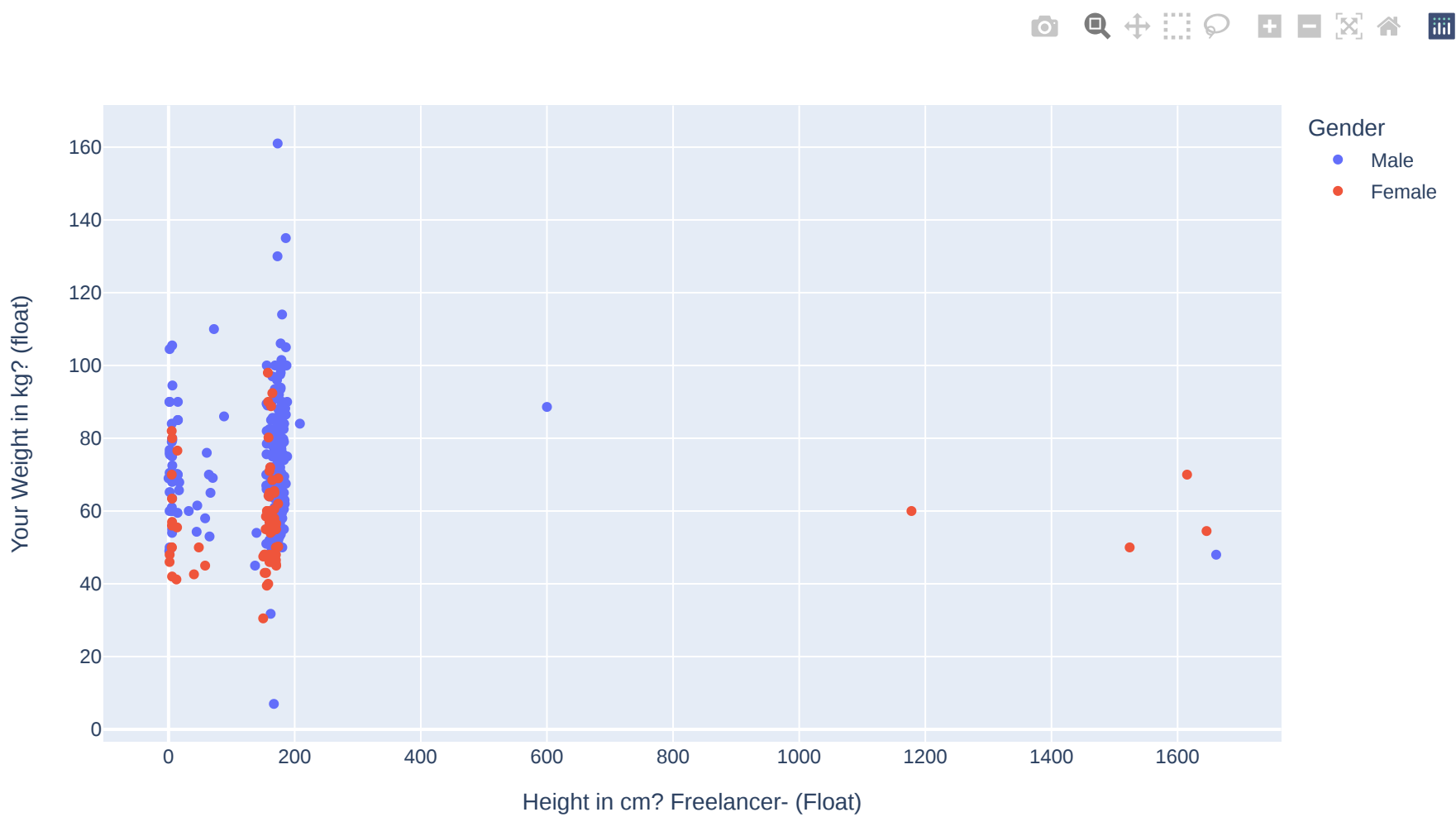
# Remove columns truncate
pd.set_option('display.max_columns', None)
```

```
In [ ]: # Load in dataset
stud_df = pd.read_csv("../datasets/Chilla_data2_for_plots.csv")
stud_df.head()
```

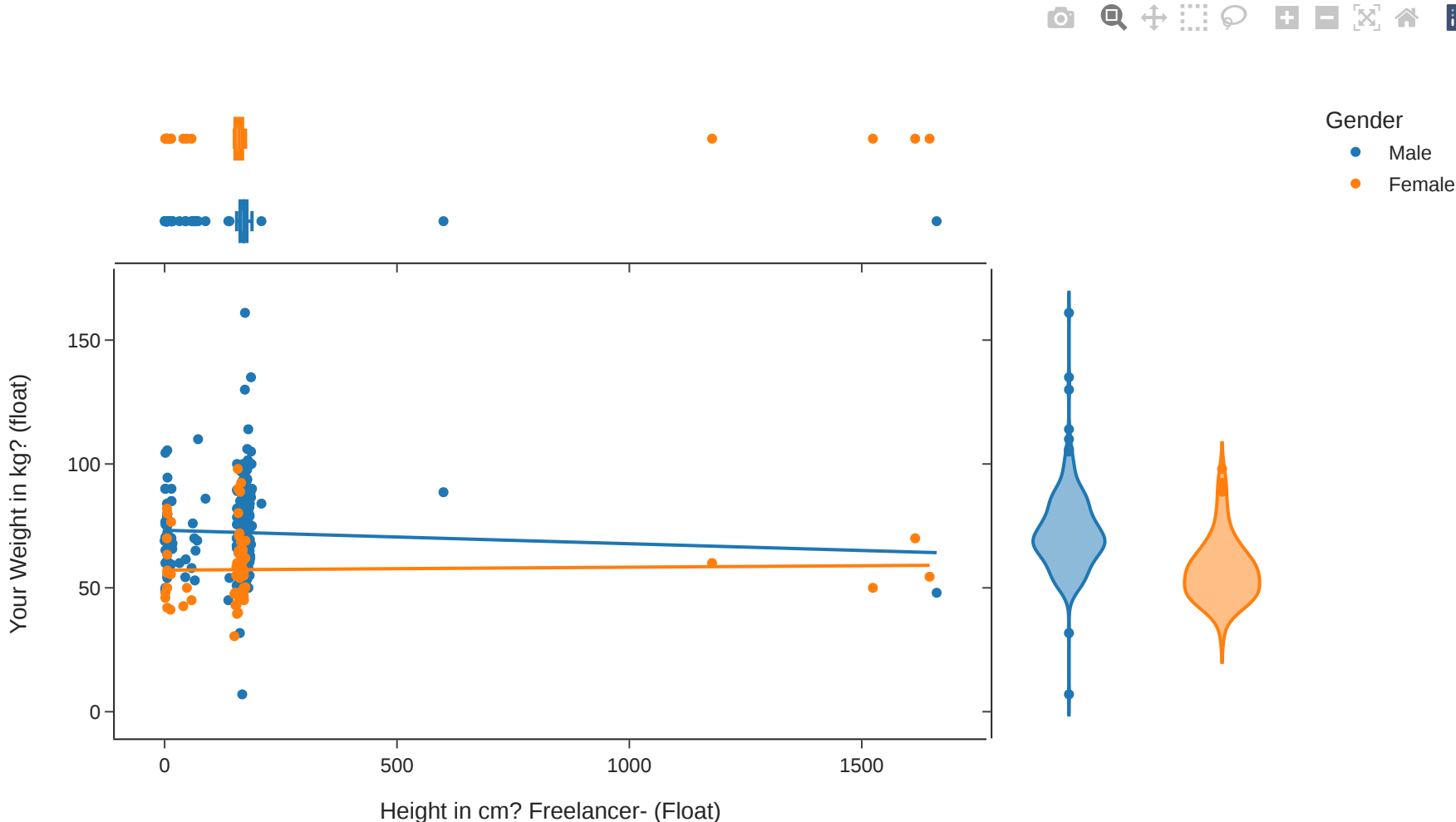
Out[]:

	Gender	Location	Age	Qualification_completed	field_of_study	Purpose_for_chilla	What are you?	Blood group	Which mobile sim do you use	Prepaid or Postpaid	Which PC are you using?	Do you wear glasses?	Why did you write your first line of code?
0	Male	Pakistan	36-40	Masters	Natural Sciences	to boost my skill set	Unemployed	B+	U-fone	Prepaid	Apna Laptop	No	yes ai
1	Male	Pakistan	26-30	Bachelors	CS/IT	to boost my skill set	Student	B+	U-fone	Prepaid	Apna Laptop	No	yes ai
2	Male	Pakistan	31-35	Masters	Enginnering	Switch my field of study	Employed	B+	Zong	Prepaid	Apna Laptop	Yes	yes ai
3	Female	Pakistan	31-35	Masters	CS/IT	to boost my skill set	Employed	O+	U-fone	Postpaid	Apna Laptop	No	yes ai
4	Female	Pakistan	26-30	Masters	Enginnering	to boost my skill set	Student	A-	Mobilink	Prepaid	Apna Laptop	Yes	In th chi

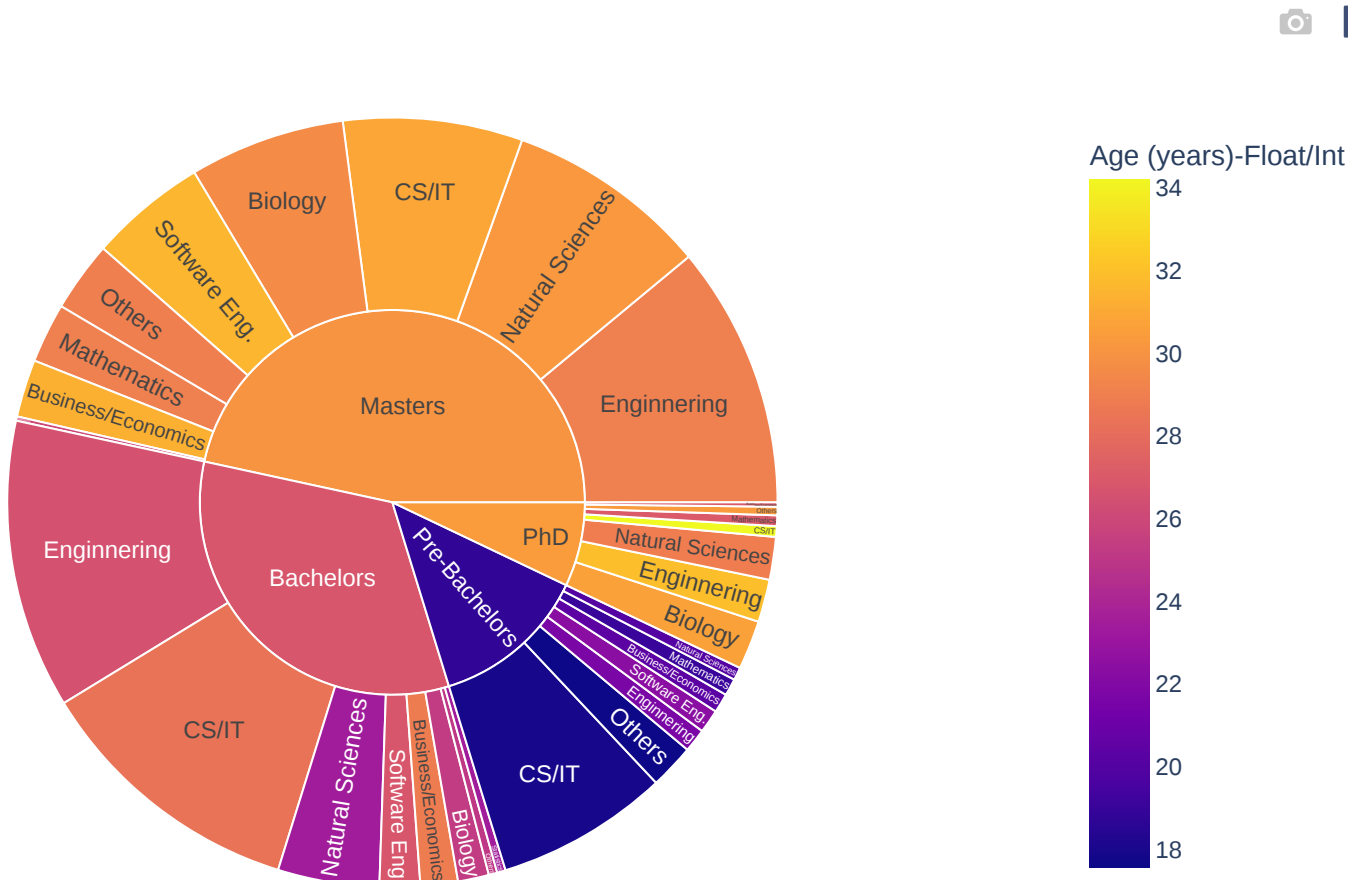
```
In [ ]: # Draw scatter plot with plotly
fig = px.scatter(stud_df, x="Height in cm? Freelancer- (Float)", y="Your Weight in kg? (float)", color="Gender")
fig.show()
```



```
In [ ]: # Draw scatter plot along with violin and box plots
fig = px.scatter(stud_df, x="Height in cm? Freelancer- (Float)", y="Your Weight in kg? (float)",
color="Gender", marginal_y="violin", marginal_x="box",
trendline="ols", template="simple_white")
fig.show()
```



```
In [ ]: # Draw pie plot
fig = px.sunburst(stud_df, path=['Qualification_completed', 'field_of_study'],
values='How many hours you code a day? (int) e.g: 5,4,3',
color='Age (years)-Float/Int',
hover_data=['Research/Working experience (Float/Int) years'])
fig.show()
```



```
In [ ]: # Draw scatter plot
fig = px.scatter(stud_df[stud_df["Location"]=="Pakistan"],
x="Age (years)-Float/Int",
y="Research/Working experience (Float/Int) years",
size="How many hours you code a day? (int) e.g: 5,4,3",
color="Qualification_completed", hover_name="field_of_study",
log_x=True, size_max=60)
fig.show()
```

