In [ ]:
```
import pandas as pd
import numpy as np
import seaborn as sb
sb.set(style = 'darkgrid')
sb.set(rc={'figure.figsize': (12, 7)})
```

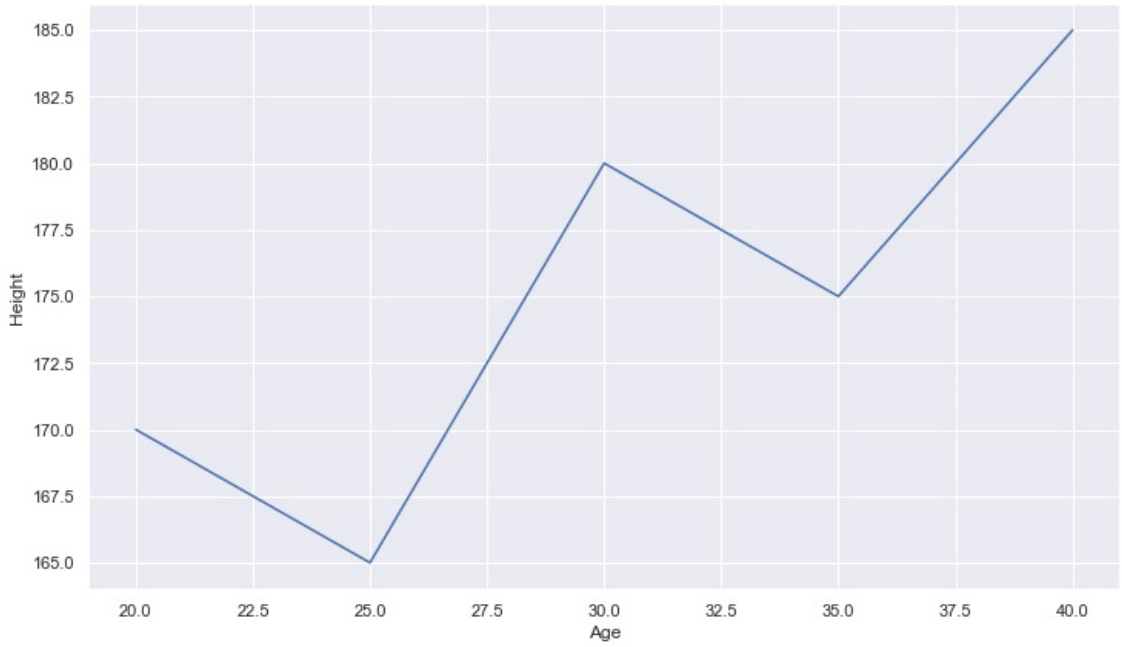
In [ ]:
```
data = pd.DataFrame({
    'Category': ['A', 'B', 'C', 'D', 'E'],
    'Value': [10, 20, 30, 40, 50],
    'Year': [2015, 2016, 2017, 2018, 2019],
    'Gender': ['M', 'F', 'M', 'F', 'M'],
    'Color': ['Red', 'Blue', 'Green', 'Red', 'Green'],
    'Height': [170, 165, 180, 175, 185],
    'Weight': [60, 70, 80, 90, 100],
    'Age': [20, 25, 30, 35, 40],
    'Score': [np.nan, 80, 70, 90, 75]
})

data
```

Out[ ]:

	Category	Value	Year	Gender	Color	Height	Weight	Age	Score
0	A	10	2015	M	Red	170	60	20	NaN
1	B	20	2016	F	Blue	165	70	25	80.0
2	C	30	2017	M	Green	180	80	30	70.0
3	D	40	2018	F	Red	175	90	35	90.0
4	E	50	2019	M	Green	185	100	40	75.0

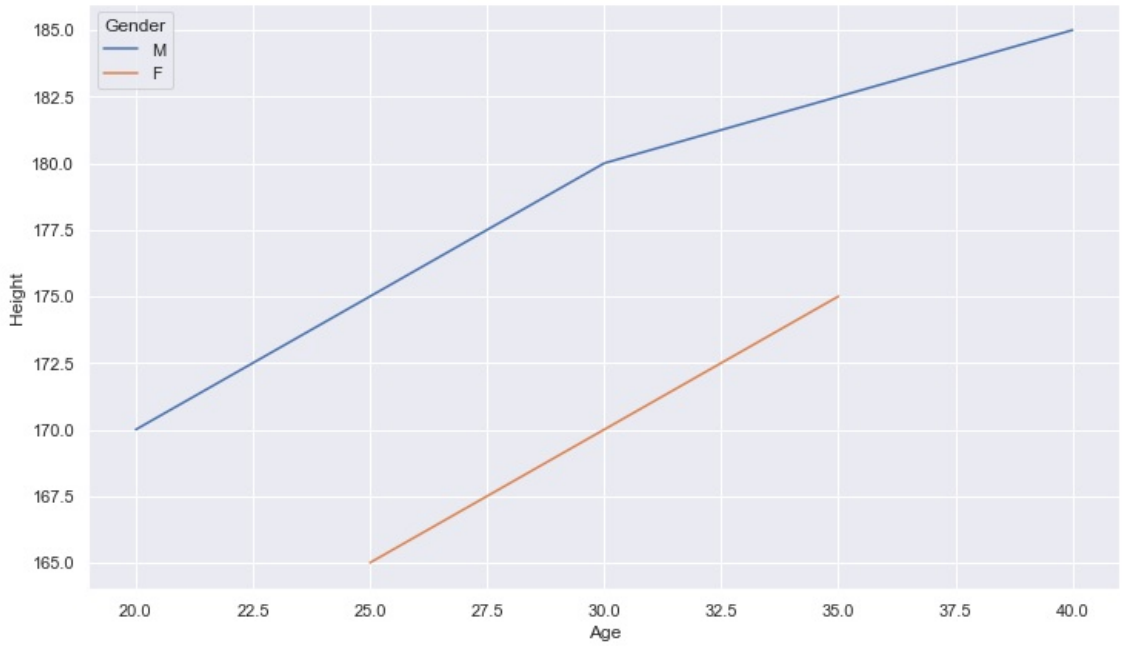
In [ ]:
```
sb.lineplot(x = 'Age', y = 'Height', data=data)
```

Out[ ]:
```
<Axes: xlabel='Age', ylabel='Height'>
```



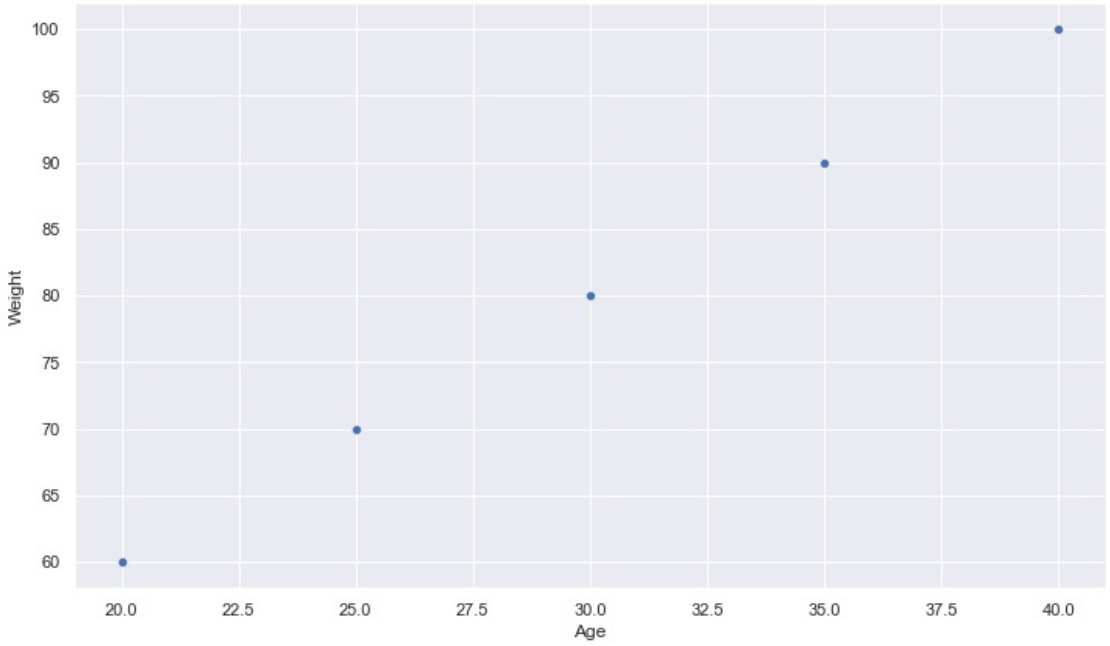
In [ ]:
```
sb.lineplot(x = 'Age', y = 'Height', data=data, hue = 'Gender')
```

Out[ ]:
```
<Axes: xlabel='Age', ylabel='Height'>
```



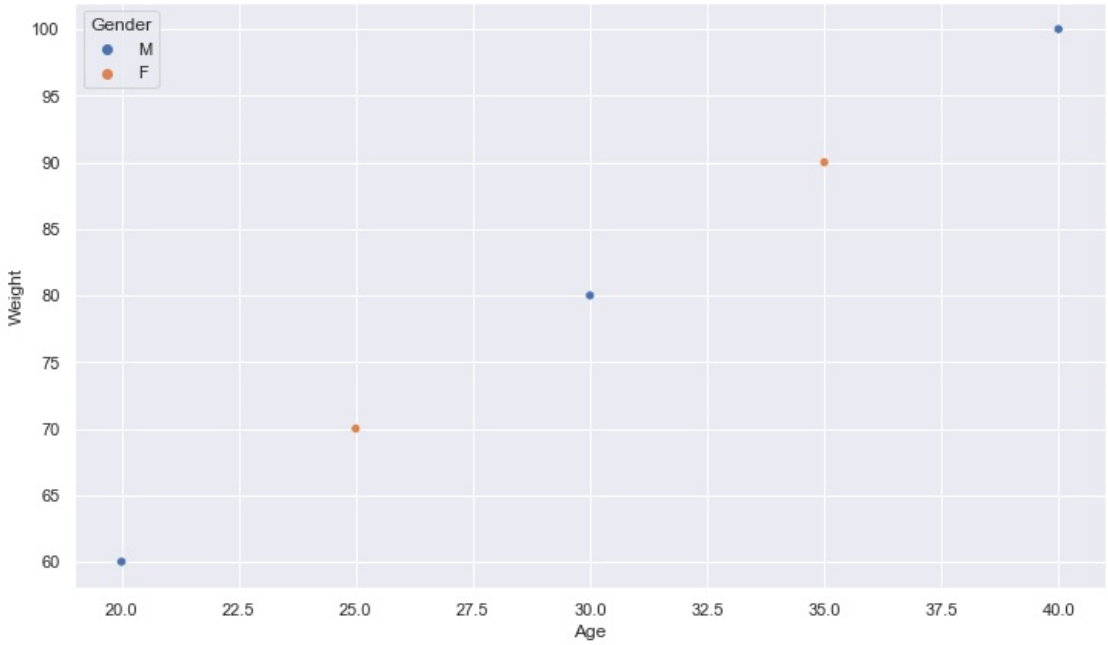
In [ ]:
```
sb.scatterplot(x = 'Age', y = 'Weight', data=data)
```

Out[ ]:
```
<Axes: xlabel='Age', ylabel='Weight'>
```



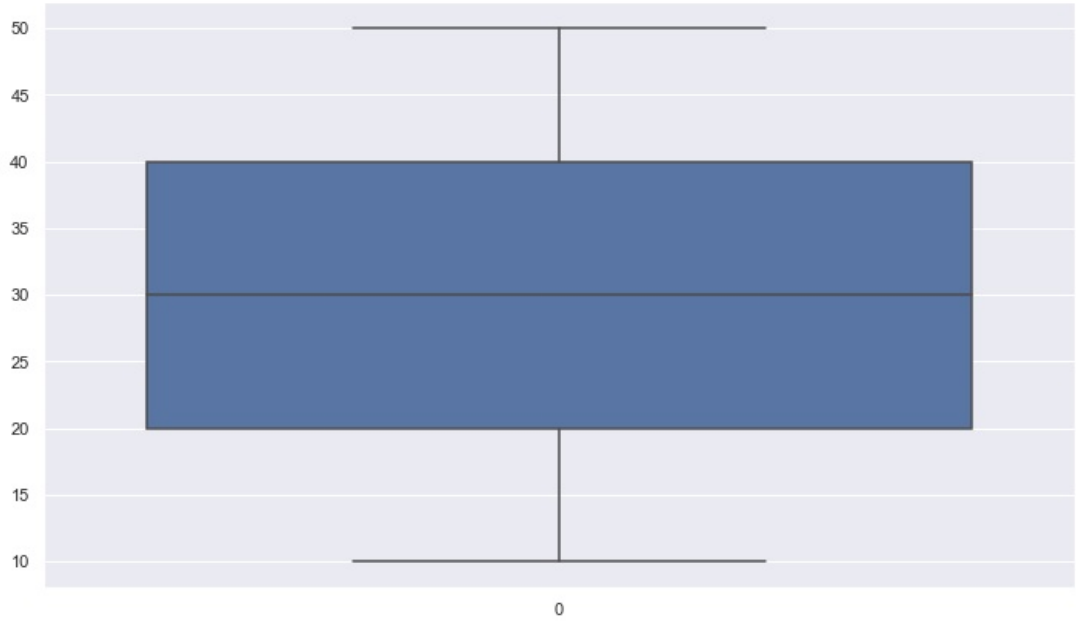
In [ ]:
```
sb.scatterplot(x='Age', y = 'Weight', data=data, hue='Gender')
```

Out[ ]:
```
<Axes: xlabel='Age', ylabel='Weight'>
```



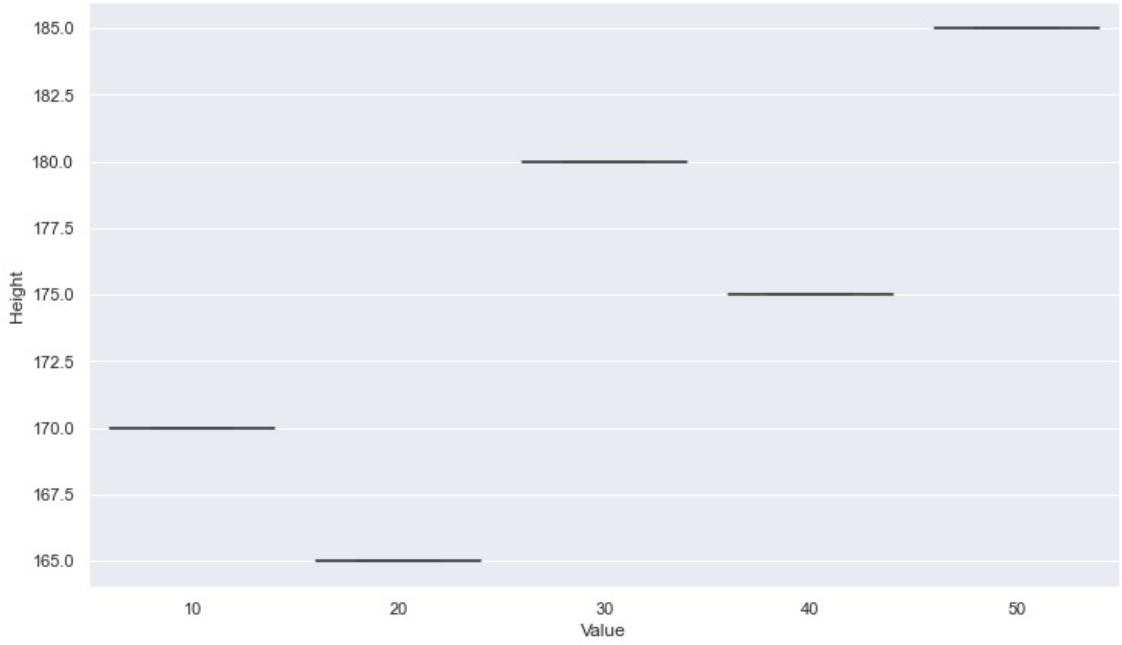
In [ ]:
```
sb.boxplot(data['Value'])
```

Out[ ]: <Axes: >



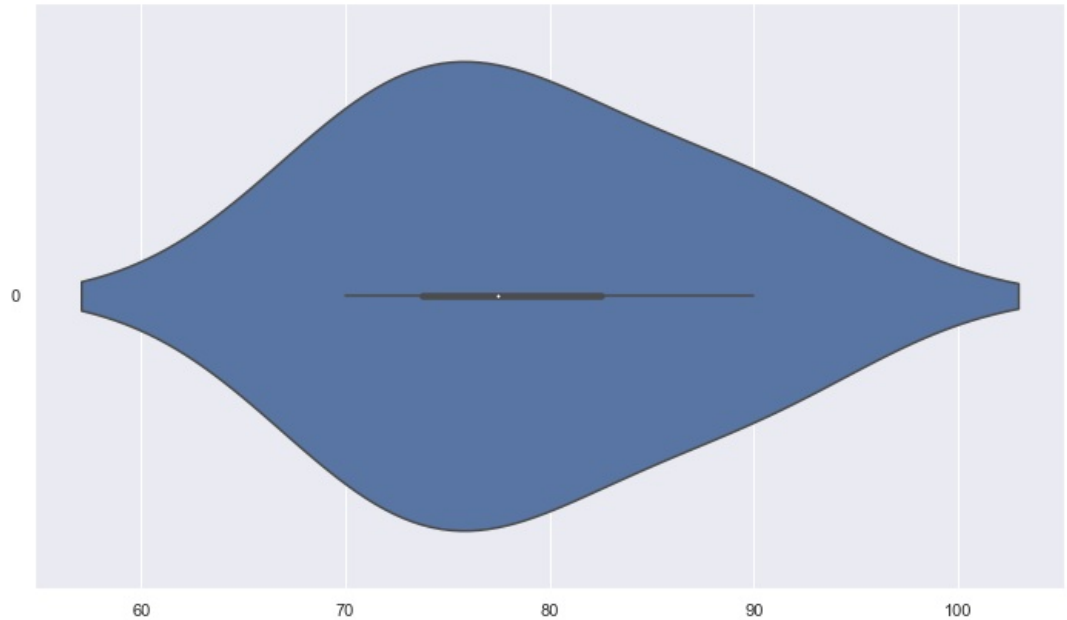
In [ ]:
```
sb.boxplot(x = 'Value', y = 'Height', data=data)
```

Out[ ]: <Axes: xlabel='Value', ylabel='Height'>



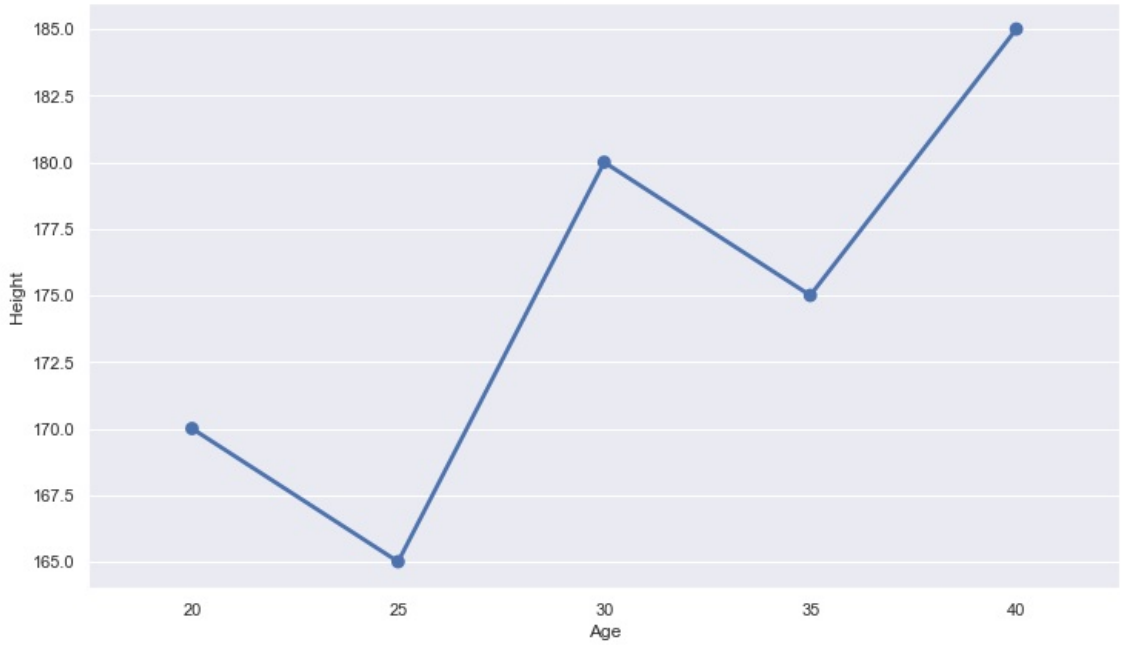
In [ ]:
```
sb.violinplot(data['Score'], orient='h')
```

Out[ ]: <Axes: >



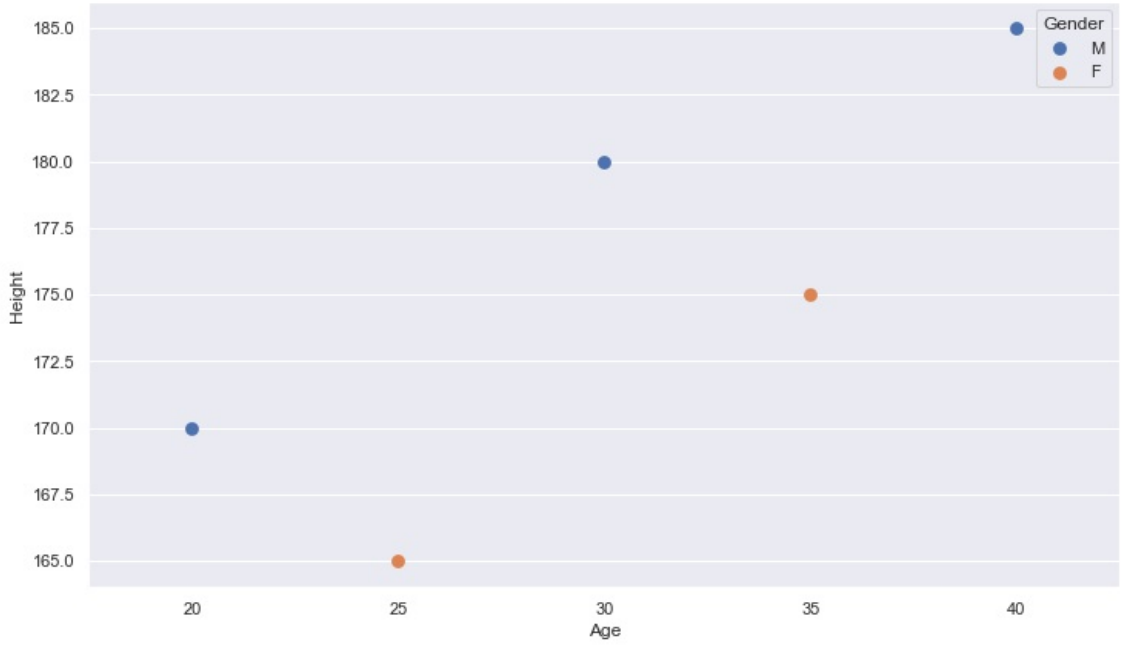
In [ ]:
```
sb.pointplot(x = 'Age', y = 'Height', data=data)
```

Out[ ]: <Axes: xlabel='Age', ylabel='Height'>



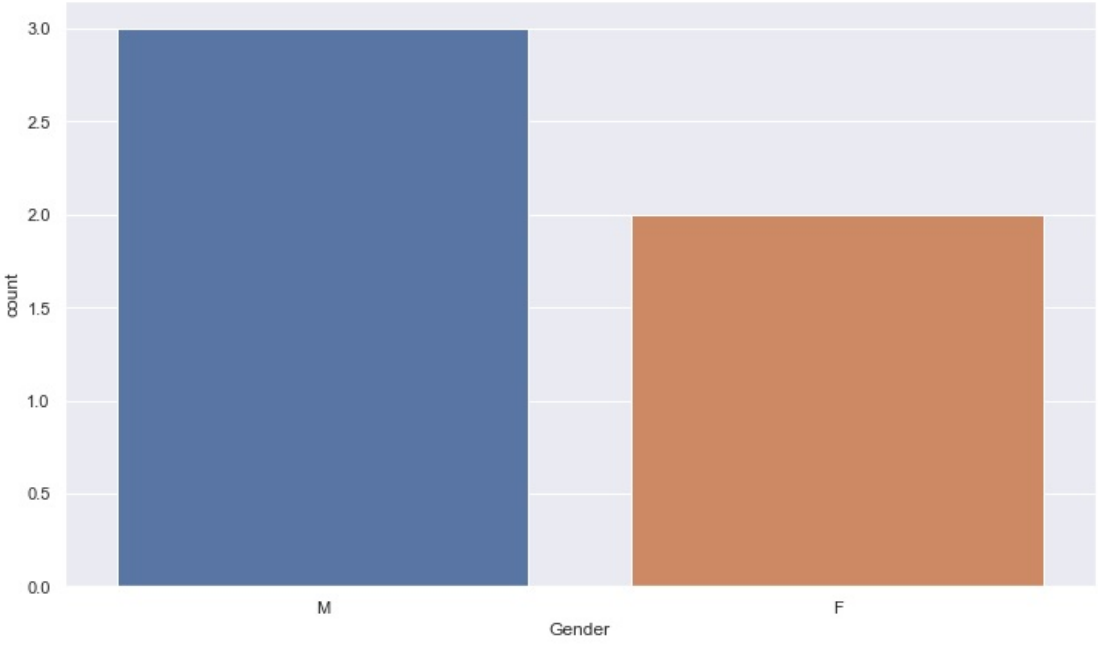
In [ ]:
```
sb.pointplot(x = 'Age', y = 'Height', data=data, hue='Gender')
```

Out[ ]:
```
<Axes: xlabel='Age', ylabel='Height'>
```



In [ ]:
```
sb.countplot(x = 'Gender', data=data)
```

Out[ ]:
```
<Axes: xlabel='Gender', ylabel='count'>
```



In [ ]:
```
sb.countplot(x = 'Color', data=data)
```

Out[ ]:
```
<Axes: xlabel='Color', ylabel='count'>
```