## **Python Code**

```
https://github.com/samimshs/PythonCodeSnippet
warnings.filterwarnings('ignore')
df[numeric columns] = df[numeric columns].astype(float)
df['species'] = df['species'].astype('category')
def calculate average sepal length(grouped data):
  return grouped data['sepal length'].mean()
average_sepal_lengths = df.groupby('species').apply(calculate_average_sepal_length)
print("Average Sepal Length by Species:")
print(average_sepal_lengths)
average sepal lengths.plot(kind='bar')
plt.tight layout()
olt.show()
```

## **Python Code Output**

Average Sepal Length by Species:

species

Iris-setosa 5.006 Iris-versicolor 5.936 Iris-virginica 6.588

dtype: float64

