

```

87 })
88
89 # missing
90 pred = model.predict(new_flower)[0]
91 print(f"\nPredicted petal width = {pred:.3f} cm")
92
93 sns.pairplot(
94     df[['sepal length (cm)', 'sepal width (cm)', 'petal length (cm)',
95         ↪ 'petal width (cm)', 'species']],
96     diag_kind='kde'
97 )
98 plt.show()

```

Output:

```

1 Missing values created:
2 sepal length (cm)      18
3 sepal width (cm)       0
4 petal length (cm)     13
5 petal width (cm)       0
6 target                 0
7 species                 0
8 dtype: int64
9
10 =====
11 REGRESSION ON IRIS (with missing + categorical)
12 =====
13 R2 Score: 0.9608
14 MAE: 0.1278
15
16 Predicted petal width = 1.855 cm

```