

An aerial photograph of a tropical island, likely in the Maldives, featuring a pristine white sand beach, turquoise water, and lush green vegetation. The image is overlaid with a dark, semi-transparent layer to enhance the text visibility.

# **MOST BEAUTIFUL ISLANDS IN THE WORLD**

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For TechTalent Academy

PlanetWara's list of the most beautiful Islands.

This sheet included 15 islands with an exact destination. Load the data into Excel and save as .csv file

	A	B	C	D	E	F	G
1	Island, County	Most Visited Destination	Feedback Score	Hotel	All-inclusive	Kids	Price for weekend
2	Maldives	Velassaru Maldives	9.9	5	289	yes	6590
3	French Polynesia	Bora Bora	9.8	4.6	98	yes	5423
4	Philippines	Palawan	9.7	4.8	56	yes	3126
5	Seychelles	Victoria	9.5	4.6	34	no	5789
6	Greece	Santorini	9.3	4.9	198	yes	2134
7	The Cook Islands	Rarotonga	9.1	4.6	23	no	7643
8	Indonesia	Bali	8.7	4.2	53	yes	5432
9	Croatia	The Dalmatian Islands	8.5	4.9	208	yes	2134
10	Fiji	Suva	8.4	5	105	yes	5678
11	Kaua'i	Maui	8.1	4.7	75	no	6543
12	Caribbean islands	St. Lucia	8	4.4	34	no	5642
13	Italy	Capri	7.7	4.5	265	yes	4321
14	Thailand	Ko Phi Phi	7.5	4.6	283	yes	2134
15	Australia	Whitsunday Islands	7.1	4.8	79	no	5422
16	Italy	Sardinia	6.9	4.5	120	yes	3215

Input:

```
1 import pandas as pd
2 import matplotlib.pyplot as plt
3
4 df = pd.read_csv("venv/file.csv")
5
```

```
print(df[["Island, County", "Most Visited Destination ", "Feedback Score"]])
```

Output:

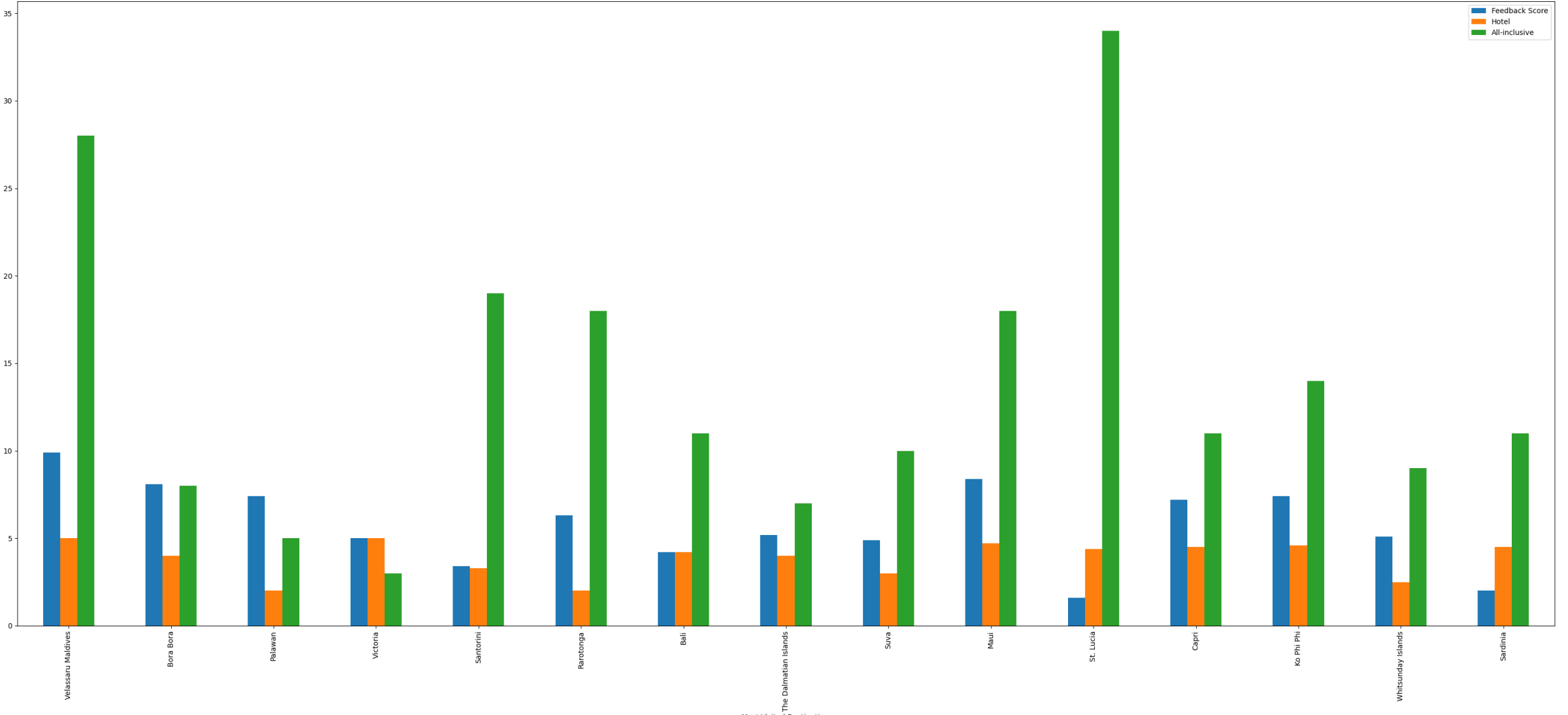
	Island, County	Most Visited Destination	Feedback Score
0	Maldives	Velassaru Maldives	9.9
1	French Polynesia	Bora Bora	8.1
2	Philippines	Palawan	7.4
3	Seychelles	Victoria	5.0
4	Greece	Santorini	3.4
5	The Cook Islands	Rarotonga	6.3
6	Indonesia	Bali	4.2
7	Croatia	The Dalmatian Islands	5.2
8	Fiji	Suva	4.9
9	Kaua'i	Maui	8.4
10	Caribbean islands	St. Lucia	1.6
11	Italy	Capri	7.2
12	Thailand	Ko Phi Phi	7.4
13	Australia	Whitsunday Islands	5.1
14	Italy	Sardinia	2.0

Process finished with exit code 0

Save the .csv file in the  
main code folder.

Figure 1

```
# find a correlation between number of all-inclusive and score
df.plot(x="Most Visited Destination ", y=["Feedback Score", "Hotel", "All-inclusive"], kind="bar")
plt.show()
```



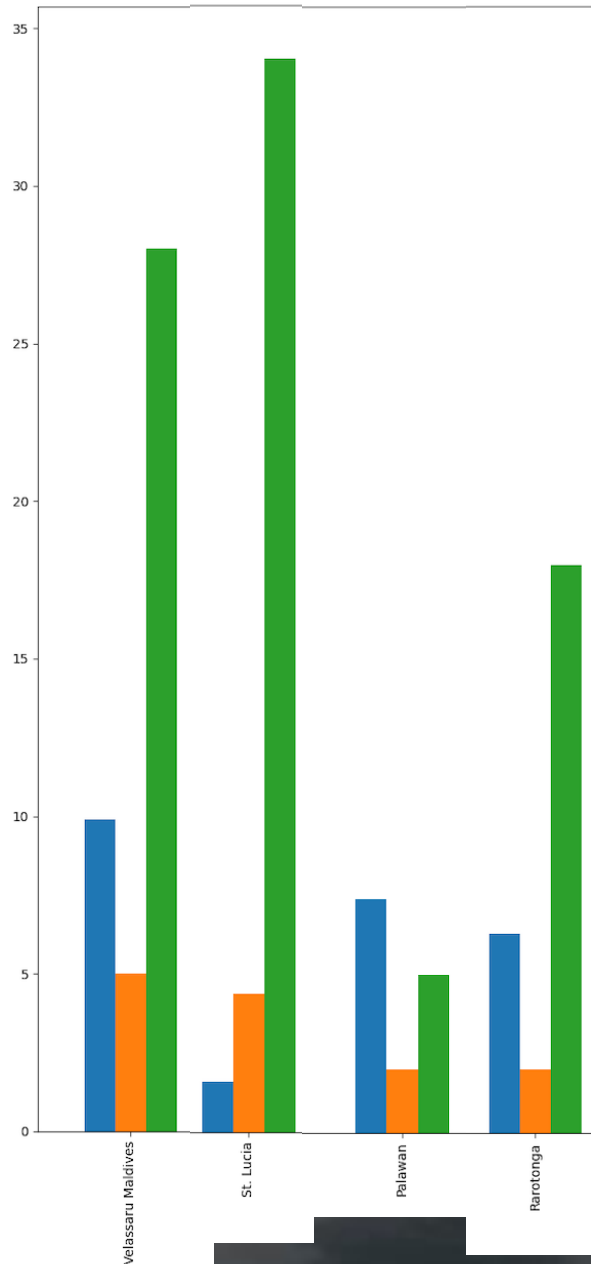


Figure 1 shows parameters as: All-inclusive hotels, Hotel Score and the Feedback score.

➤ As we can see, there is no particular correlation between the number of All-inclusive hotels and the customer Feedback score.

For example, St. Lucia has the largest number of All-inclusive hotels, while it has the worst rate of customer Feedback score.

➤ Hotels are rated almost identical in terms of number of stars. Maldives (Velassaru Maldives), Seychelles (Victoria) and Kaua'i (Maui) has the highest score.

While the hotels in Philippines (Palawan) and The Cook Islands (Rarotonga) have the lowest score.



This slide presents the availability of hotels with activities for children on the Islands.

Here is a list these 10 destination.

Input:

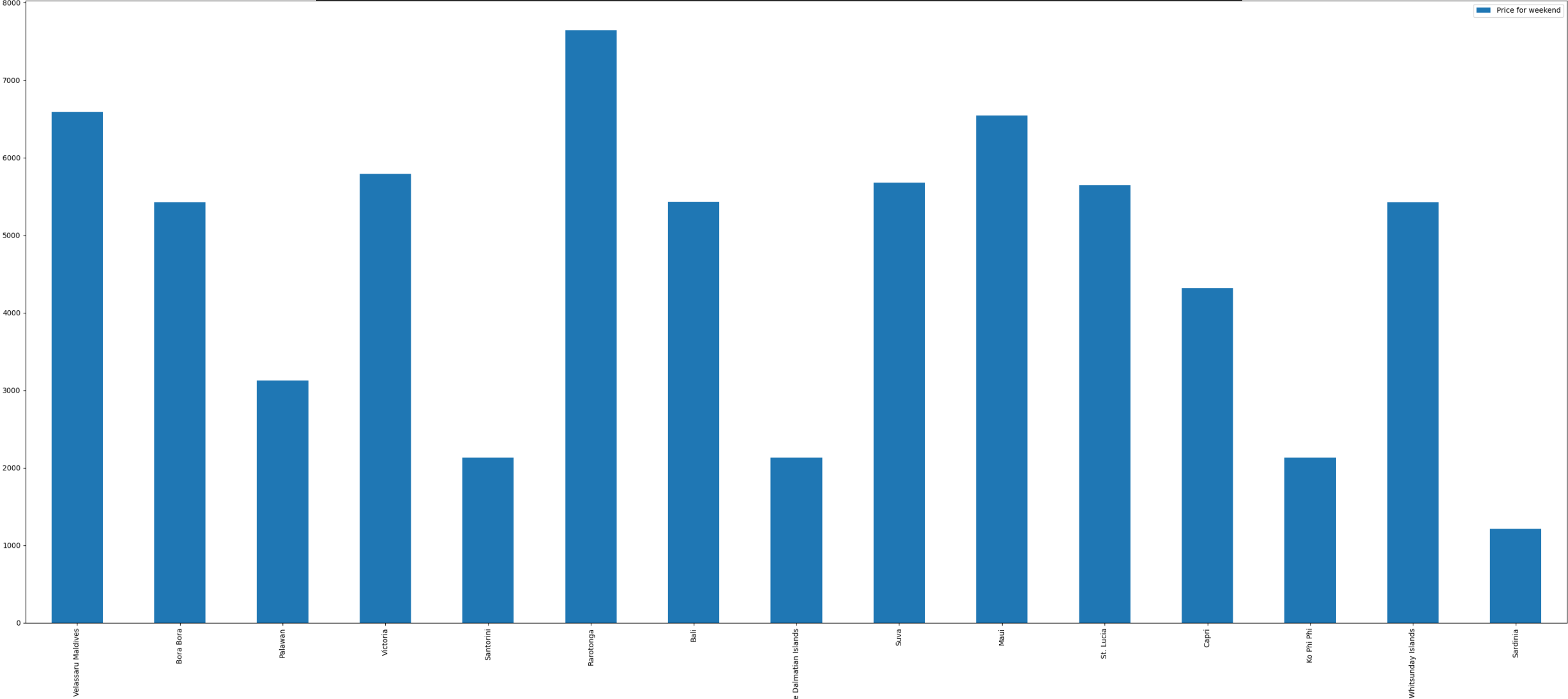
```
# filter the data by the possibility of placing childrens
kids = (df["Kids"] == "yes")
print(df[["Island, County", "Most Visited Destination ", "Kids"]][kids])
```

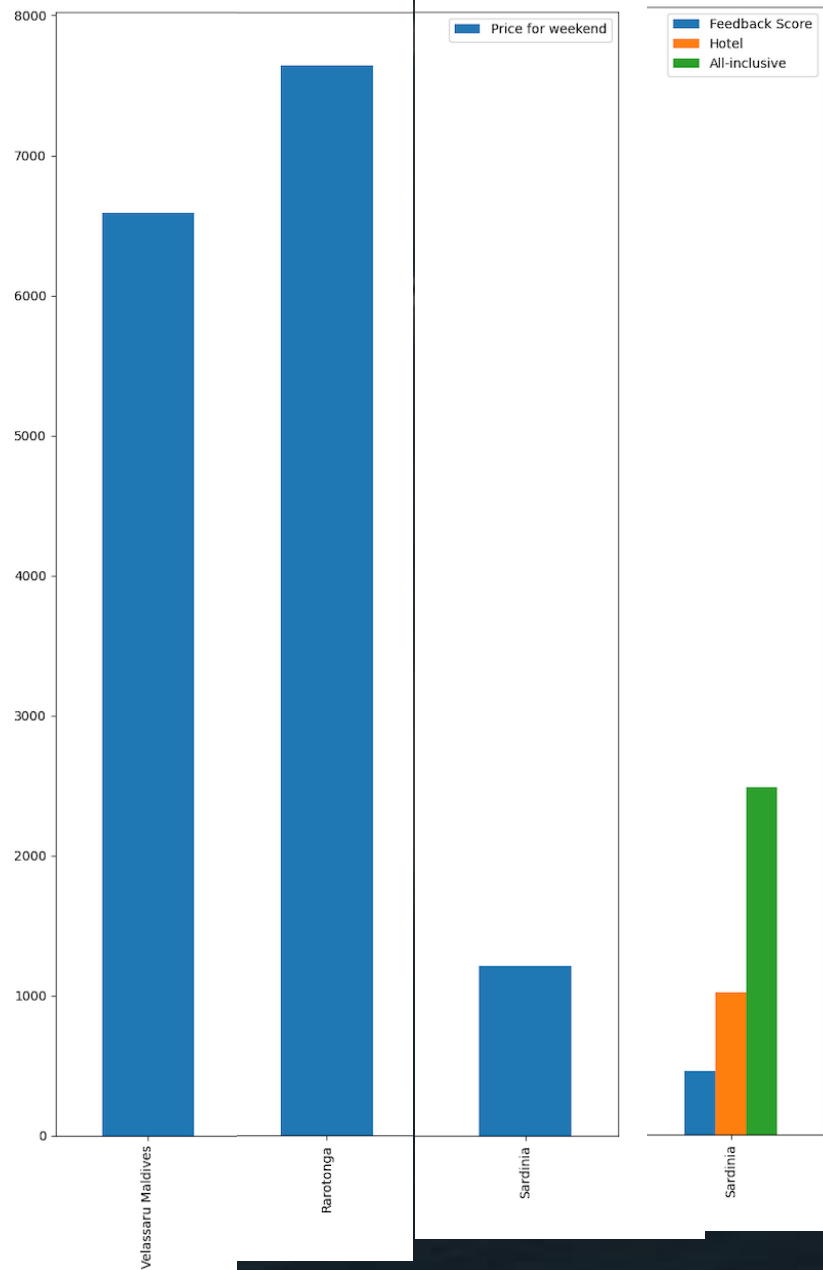
Output:

	Island, County	Most Visited Destination	Kids
0	Maldives	Velassaru Maldives	yes
1	French Polynesia	Bora Bora	yes
2	Philippines	Palawan	yes
4	Greece	Santorini	yes
6	Indonesia	Bali	yes
7	Croatia	The Dalmatian Islands	yes
8	Fiji	Suva	yes
11	Italy	Capri	yes
12	Thailand	Ko Phi Phi	yes
14	Italy	Sardinia	yes

Figure 2

```
# visualisation for price per weeekend
df.plot(x="Most Visited Destination ", y="Price for weekend", kind="bar")
plt.show()
```





Based on Figure 2:

- The most expensive weekends are in the Maldives (Velassaru Maldives) and The Cook Islands (Rarotonga).
- The cheapest weekend was in Italy (Sardinia). But Sardinia also has one of the lowest ratings in terms of customer Feedback.



## Conclusion

**For a family with children and a smaller budget looking for hotels with all-inclusive:**

- The good destinations for holidays are French Polynesia (Bora Bora), Italy (Capri) and Thailand (Ko Phi Phi).

Overall the Ko Phi Phi option is the cheapest for them.



French Polynesia (Bora Bora)



Italy (Capri)



Thailand (Ko Phi Phi)

➤ The Maldives is one of the options based on the customer Feedback and numbers of All-inclusive hotels. But Maldives has one of the highest costs per weekend, which automatically excludes them from our list of recommendations.



Maldives