Ski Resorts

Data Analytics

Final Project

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Python analysis

Problem statement

Skipass are expensive for majority of people, we need to find the best value for money in our trip.

Solution

There are two main factors contributing to the price:

1. **Resort size and slope kilometres**

	Linear Regression	SVR	Random Forest Regressor	K Neighbors Regressor	MLP Regressor
0	0.404122	0.536318	0.539514	0.530331	0.567423

2. **Features and facilities (hotels, restaurants…)**

	Linear Regression	SVR	Random Forest Regressor	K Neighbors Regressor	MLP Regressor
0	0.401861	0.324296	0.580391	0.520637	0.421497

IRON HACK

Key challenges during the project

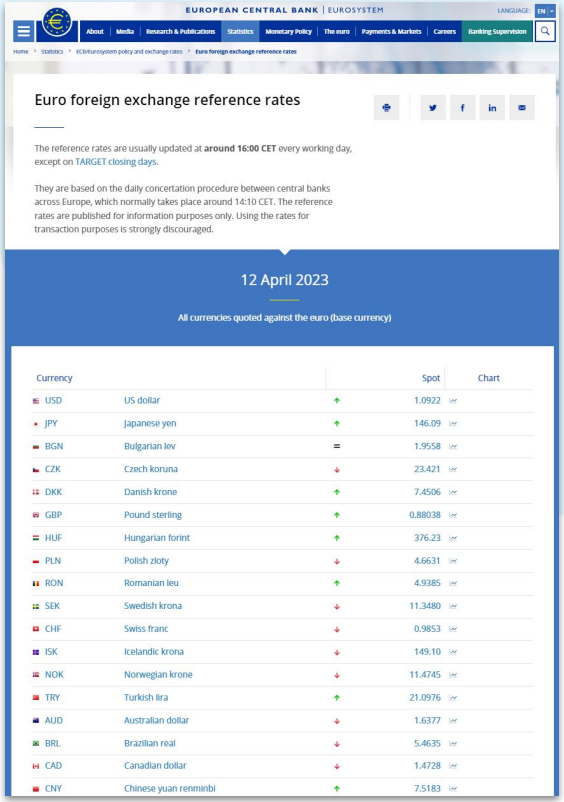
Problem statement

In order to do regression analysis against skipass price, I needed all prices in the same currency. Dataset used contained **skipass price information in multiple currencies** (with currency name but no currency code) so I needed to convert to EUR.

Solution

I tried using Forex-Converter Python library but there was no relation between currency name and code.

I decided to do **web scraping** from the European Central Bank official page which refreshes on a daily basis.



Data Visualization


Thank you!
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