Bond Yield Data

September 26, 2024

[1]:
```
import datetime

import matplotlib.pyplot as plt
import numpy as np
import yfinance as yfin
```

[8]:
```
start = datetime.date(2021, 9, 20)
end = datetime.date(2024, 9, 19)
df = yfin.download(["^IRX", "^FVX", "^TNX"], start, end)["Adj Close"]
```

```
[**********************100%%**********************]  3 of 3 completed
```

[9]:
```
df.head(3)
```

[9]:

Ticker	^FVX	^IRX	^TNX
Date			
2021-09-20	0.821	0.025	1.309
2021-09-21	0.829	0.020	1.324
2021-09-22	0.872	0.025	1.336

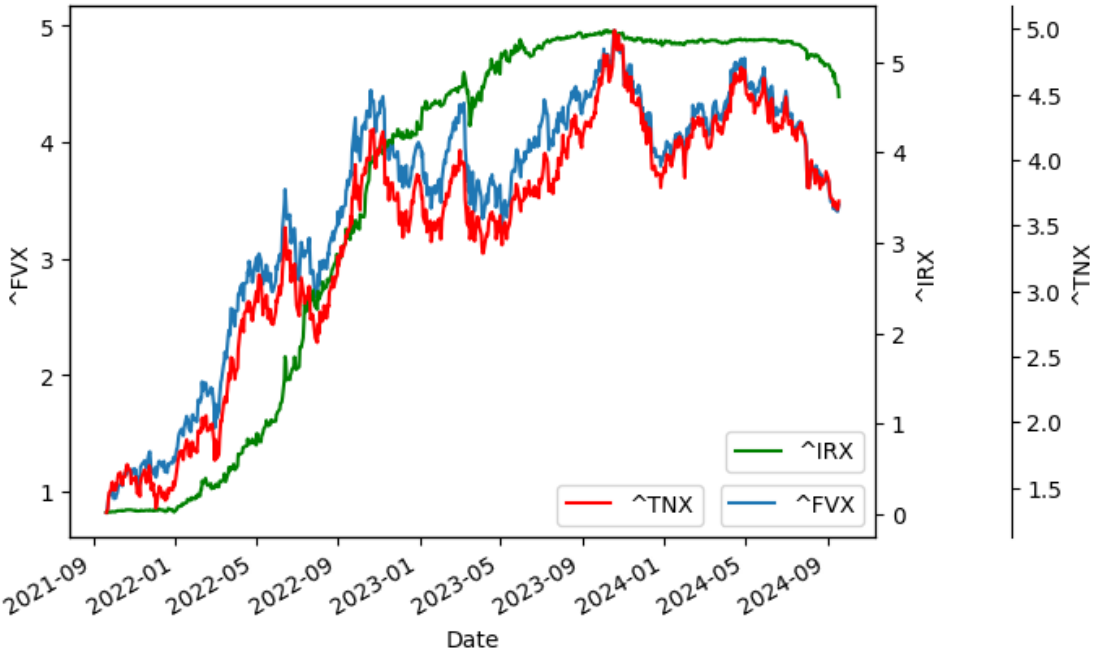
[10]:
```
# Create the figure. We want a plot where the three assets have the same index␣
 ↪(x-axis) but different scale (y-axis)
fig = plt.figure()
ax1 = fig.add_subplot(111)
ax2 = ax1.twinx()
ax3 = ax1.twinx()

# Plot the data
df[start:end].plot(ax=ax1, y="^FVX", legend=True)
df[start:end].plot(ax=ax2, y="^IRX", legend=True, color="g")
df[start:end].plot(ax=ax3, y="^TNX", legend=True, color="r")

# We set the labels to the axes
ax1.set_ylabel("^FVX")
ax2.set_ylabel("^IRX")
ax3.set_ylabel("^TNX")
ax3.spines["right"].set_position(("outward", 60))
```

```
# Set position of legends
ax1.legend(["^FVX"], loc="lower right")
ax2.legend(["^IRX"], loc="lower right", bbox_to_anchor=(1, 0.1))
ax3.legend(["^TNX"], loc="lower right", bbox_to_anchor=(0.8, 0))

plt.show()
```



[ ]: