

APIExample

October 7, 2024

1 Working with APIs

```
[2]: import numpy as np
import pandas as pd
import requests      #for working with apis
```

Example 1

Example using ExchangeRate-API: <https://www.exchangerate-api.com/docs/standard-requests>

```
[3]: url = "https://api.exchangerate-api.com/v4/latest/USD"  #a GET request is_
      ↪implicitly generated
df = pd.read_json(url)
df
```

```
[3]:                                     provider \
AED  https://www.exchangerate-api.com
AFN  https://www.exchangerate-api.com
ALL  https://www.exchangerate-api.com
AMD  https://www.exchangerate-api.com
ANG  https://www.exchangerate-api.com
..
XPF  https://www.exchangerate-api.com
YER  https://www.exchangerate-api.com
ZAR  https://www.exchangerate-api.com
ZMW  https://www.exchangerate-api.com
ZWL  https://www.exchangerate-api.com

                                     WARNING_UPGRADE_TO_V6 \
AED  https://www.exchangerate-api.com/docs/free
AFN  https://www.exchangerate-api.com/docs/free
ALL  https://www.exchangerate-api.com/docs/free
AMD  https://www.exchangerate-api.com/docs/free
ANG  https://www.exchangerate-api.com/docs/free
..
XPF  https://www.exchangerate-api.com/docs/free
YER  https://www.exchangerate-api.com/docs/free
ZAR  https://www.exchangerate-api.com/docs/free
```

```
ZMW https://www.exchangerate-api.com/docs/free
ZWL https://www.exchangerate-api.com/docs/free
```

```

                                terms base      date \
AED https://www.exchangerate-api.com/terms  USD 2024-06-04
AFN https://www.exchangerate-api.com/terms  USD 2024-06-04
ALL https://www.exchangerate-api.com/terms  USD 2024-06-04
AMD https://www.exchangerate-api.com/terms  USD 2024-06-04
ANG https://www.exchangerate-api.com/terms  USD 2024-06-04
..
XPF https://www.exchangerate-api.com/terms  USD 2024-06-04
YER https://www.exchangerate-api.com/terms  USD 2024-06-04
ZAR https://www.exchangerate-api.com/terms  USD 2024-06-04
ZMW https://www.exchangerate-api.com/terms  USD 2024-06-04
ZWL https://www.exchangerate-api.com/terms  USD 2024-06-04
```

```

time_last_updated  rates
AED      1717459202    3.67
AFN      1717459202   71.29
ALL      1717459202   92.78
AMD      1717459202  387.71
ANG      1717459202    1.79
..
XPF      1717459202  109.63
YER      1717459202  250.14
ZAR      1717459202   18.54
ZMW      1717459202   26.00
ZWL      1717459202   13.31
```

[162 rows x 7 columns]

Code Explanation:

`df = pd.read_json(url):` - This line of code utilizes the Pandas library to read JSON data from the URL specified in the `url` variable. - `pd` is an alias for the Pandas library, which is a popular Python library used for data manipulation and analysis. - `read_json()` is a Pandas function that reads JSON data from a specified source (in this case, the provided URL). - The JSON data obtained from the API contains information about exchange rates for various currencies relative to USD.

How It Works:

The URL "`https://api.exchangerate-api.com/v4/latest/USD`" is a resource that returns exchange rate data in JSON format when accessed.

`pd.read_json(url)` sends an HTTP GET request to the URL, retrieves the JSON response containing exchange rate data, and parses it into a Pandas DataFrame.

```
[ ]: df.drop(['provider', 'WARNING_UPGRADE_TO_V6', 'terms'], axis=1)
```

Here's a breakdown of what this code does: `.drop()`: used to drop specified labels (rows or columns) from the DataFrame.

`['provider', 'WARNING_UPGRADE_TO_V6', 'terms']`: column labels that to remove from the DataFrame.

`axis=1`: When `axis=1`, it means that the operation will be performed along columns.

Example 2

Explore these first <https://www.weather.gov/documentation/services-web-api>

Need to find the “office” for Syracuse (SU area) <https://api.weather.gov/points/43.0481,-76.1474>

```
[1]: import requests
url = "https://api.weather.gov/gridpoints/BGM/51,98/forecast"
df = pd.read_json(url)
df
#This will throw an error because the json data from the URL cannot be
↳structured by pandas without your guidance
```

```
-----
NameError                                Traceback (most recent call last)
Cell In[1], line 3
      1 import requests
      2 url = "https://api.weather.gov/gridpoints/BGM/51,98/forecast"
----> 3 df = pd.read_json(url)
      4 df
      5 #This will throw an error because the json data from the URL cannot be
↳structured by pandas without your guidance

NameError: name 'pd' is not defined
```

```
[4]: # Just like in the the forecast file example (in JSON), we can't get the JSON
↳data right into a pandas dataframe
url = "https://api.weather.gov/gridpoints/BGM/51,98/forecast"
response = requests.get(url)
print(response.status_code)
```

200

```
[5]: data = response.json() #convert the response to json that python can understand
print(data)
```

```
{ '@context': ['https://geojson.org/geojson-ld/geojson-context.jsonld',
{'@version': '1.1', 'wx': 'https://api.weather.gov/ontology#', 'geo':
'http://www.opengis.net/ont/geosparql#', 'unit':
'http://codes.wmo.int/common/unit/', '@vocab':
'https://api.weather.gov/ontology#'}], 'type': 'Feature', 'geometry': {'type':
'Polygon', 'coordinates': [[[-76.2013097, 43.0381354], [-76.2054039,
```

```

43.0166870000000005], [-76.17606919999999, 43.0136920000000006],
[-76.17196879999999, 43.035140200000001], [-76.2013097, 43.0381354]]]],
'properties': {'updated': '2024-06-04T18:47:06+00:00', 'units': 'us',
'forecastGenerator': 'BaselineForecastGenerator', 'generatedAt':
'2024-06-04T21:16:56+00:00', 'updateTime': '2024-06-04T18:47:06+00:00',
'validTimes': '2024-06-04T12:00:00+00:00/P8DT2H', 'elevation': {'unitCode':
'wmoUnit:m', 'value': 167.9448}, 'periods': [{'number': 1, 'name': 'This
Afternoon', 'startTime': '2024-06-04T17:00:00-04:00', 'endTime':
'2024-06-04T18:00:00-04:00', 'isDaytime': True, 'temperature': 88,
'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': None}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': 16.666666666666668}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 45}, 'windSpeed': '5 mph', 'windDirection': 'S',
'icon': 'https://api.weather.gov/icons/land/day/bkn?size=medium',
'shortForecast': 'Partly Sunny', 'detailedForecast': 'Partly sunny, with a high
near 88. South wind around 5 mph.'}, {'number': 2, 'name': 'Tonight',
'startTime': '2024-06-04T18:00:00-04:00', 'endTime':
'2024-06-05T06:00:00-04:00', 'isDaytime': False, 'temperature': 68,
'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': None}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': 17.77777777777778}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 68}, 'windSpeed': '3 to 7 mph', 'windDirection':
'SE', 'icon': 'https://api.weather.gov/icons/land/night/sct?size=medium',
'shortForecast': 'Partly Cloudy', 'detailedForecast': 'Partly cloudy, with a low
around 68. Southeast wind 3 to 7 mph.'}, {'number': 3, 'name': 'Wednesday',
'startTime': '2024-06-05T06:00:00-04:00', 'endTime':
'2024-06-05T18:00:00-04:00', 'isDaytime': True, 'temperature': 87,
'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': 20}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': 18.333333333333332}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 68}, 'windSpeed': '7 to 10 mph', 'windDirection':
'S', 'icon':
'https://api.weather.gov/icons/land/day/sct/tsra_hi,20?size=medium',
'shortForecast': 'Mostly Sunny then Slight Chance Showers And Thunderstorms',
'detailedForecast': 'A slight chance of showers and thunderstorms after 3pm.
Mostly sunny, with a high near 87. South wind 7 to 10 mph. Chance of
precipitation is 20%.'}, {'number': 4, 'name': 'Wednesday Night', 'startTime':
'2024-06-05T18:00:00-04:00', 'endTime': '2024-06-06T06:00:00-04:00',
'isDaytime': False, 'temperature': 69, 'temperatureUnit': 'F',
'temperatureTrend': None, 'probabilityOfPrecipitation': {'unitCode':
'wmoUnit:percent', 'value': 80}, 'dewpoint': {'unitCode': 'wmoUnit:degC',
'value': 18.333333333333332}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 81}, 'windSpeed': '10 mph', 'windDirection': 'S',
'icon': 'https://api.weather.gov/icons/land/night/tsra,50/tsra,80?size=medium',
'shortForecast': 'Showers And Thunderstorms', 'detailedForecast': 'Showers and
thunderstorms. Mostly cloudy, with a low around 69. South wind around 10 mph.
Chance of precipitation is 80%. New rainfall amounts less than a tenth of an
inch possible.'}, {'number': 5, 'name': 'Thursday', 'startTime':

```

'2024-06-06T06:00:00-04:00', 'endTime': '2024-06-06T18:00:00-04:00',
 'isDaytime': True, 'temperature': 81, 'temperatureUnit': 'F',
 'temperatureTrend': None, 'probabilityOfPrecipitation': {'unitCode':
 'wmoUnit:percent', 'value': 70}, 'dewpoint': {'unitCode': 'wmoUnit:degC',
 'value': 19.44444444444443}, 'relativeHumidity': {'unitCode':
 'wmoUnit:percent', 'value': 87}, 'windSpeed': '10 mph', 'windDirection': 'SW',
 'icon':
 'https://api.weather.gov/icons/land/day/tsra_hi,70/tsra_hi,60?size=medium',
 'shortForecast': 'Showers And Thunderstorms Likely', 'detailedForecast':
 'Showers and thunderstorms likely. Partly sunny, with a high near 81. Southwest
 wind around 10 mph. Chance of precipitation is 70%.', {'number': 6, 'name':
 'Thursday Night', 'startTime': '2024-06-06T18:00:00-04:00', 'endTime':
 '2024-06-07T06:00:00-04:00', 'isDaytime': False, 'temperature': 60,
 'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
 {'unitCode': 'wmoUnit:percent', 'value': 50}, 'dewpoint': {'unitCode':
 'wmoUnit:degC', 'value': 16.11111111111111}, 'relativeHumidity': {'unitCode':
 'wmoUnit:percent', 'value': 81}, 'windSpeed': '7 mph', 'windDirection': 'W',
 'icon':
 'https://api.weather.gov/icons/land/night/tsra_hi,50/tsra_hi,20?size=medium',
 'shortForecast': 'Chance Showers And Thunderstorms then Slight Chance Showers
 And Thunderstorms', 'detailedForecast': 'A chance of showers and thunderstorms
 before 8pm, then a slight chance of showers and thunderstorms between 8pm and
 2am. Partly cloudy, with a low around 60. Chance of precipitation is 50%.',
 {'number': 7, 'name': 'Friday', 'startTime': '2024-06-07T06:00:00-04:00',
 'endTime': '2024-06-07T18:00:00-04:00', 'isDaytime': True, 'temperature': 73,
 'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
 {'unitCode': 'wmoUnit:percent', 'value': 70}, 'dewpoint': {'unitCode':
 'wmoUnit:degC', 'value': 14.444444444444445}, 'relativeHumidity': {'unitCode':
 'wmoUnit:percent', 'value': 81}, 'windSpeed': '8 mph', 'windDirection': 'W',
 'icon':
 'https://api.weather.gov/icons/land/day/rain_showers,50/tsra_hi,70?size=medium',
 'shortForecast': 'Showers And Thunderstorms Likely', 'detailedForecast': 'A
 chance of rain showers between 8am and 2pm, then showers and thunderstorms
 likely. Mostly sunny, with a high near 73. Chance of precipitation is 70%.',
 {'number': 8, 'name': 'Friday Night', 'startTime': '2024-06-07T18:00:00-04:00',
 'endTime': '2024-06-08T06:00:00-04:00', 'isDaytime': False, 'temperature': 56,
 'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
 {'unitCode': 'wmoUnit:percent', 'value': 70}, 'dewpoint': {'unitCode':
 'wmoUnit:degC', 'value': 13.333333333333334}, 'relativeHumidity': {'unitCode':
 'wmoUnit:percent', 'value': 90}, 'windSpeed': '7 mph', 'windDirection': 'W',
 'icon':
 'https://api.weather.gov/icons/land/night/tsra_sct,70/tsra_sct,40?size=medium',
 'shortForecast': 'Showers And Thunderstorms Likely then Chance Showers And
 Thunderstorms', 'detailedForecast': 'Showers and thunderstorms likely before
 8pm, then a chance of showers and thunderstorms. Mostly cloudy, with a low
 around 56. Chance of precipitation is 70%.', {'number': 9, 'name': 'Saturday',
 'startTime': '2024-06-08T06:00:00-04:00', 'endTime':
 '2024-06-08T18:00:00-04:00', 'isDaytime': True, 'temperature': 68,

```

'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': 70}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': 12.77777777777779}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 83}, 'windSpeed': '8 mph', 'windDirection': 'SW',
'icon':
'https://api.weather.gov/icons/land/day/tsra_sct,60/tsra_sct,70?size=medium',
'shortForecast': 'Showers And Thunderstorms Likely', 'detailedForecast': 'A
chance of rain showers before 8am, then showers and thunderstorms likely. Partly
sunny, with a high near 68. Chance of precipitation is 70%.'}, {'number': 10,
'name': 'Saturday Night', 'startTime': '2024-06-08T18:00:00-04:00', 'endTime':
'2024-06-09T06:00:00-04:00', 'isDaytime': False, 'temperature': 55,
'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': 70}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': 12.22222222222221}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 90}, 'windSpeed': '8 mph', 'windDirection': 'SW',
'icon':
'https://api.weather.gov/icons/land/night/tsra_sct,70/tsra_sct,40?size=medium',
'shortForecast': 'Showers And Thunderstorms Likely then Chance Showers And
Thunderstorms', 'detailedForecast': 'Showers and thunderstorms likely before
8pm, then a chance of showers and thunderstorms between 8pm and 2am, then a
chance of showers and thunderstorms. Mostly cloudy, with a low around 55. Chance
of precipitation is 70%.'}, {'number': 11, 'name': 'Sunday', 'startTime':
'2024-06-09T06:00:00-04:00', 'endTime': '2024-06-09T18:00:00-04:00',
'isDaytime': True, 'temperature': 70, 'temperatureUnit': 'F',
'temperatureTrend': None, 'probabilityOfPrecipitation': {'unitCode':
'wmoUnit:percent', 'value': 70}, 'dewpoint': {'unitCode': 'wmoUnit:degC',
'value': 13.333333333333334}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 86}, 'windSpeed': '10 mph', 'windDirection': 'W',
'icon':
'https://api.weather.gov/icons/land/day/tsra_hi,60/tsra_hi,70?size=medium',
'shortForecast': 'Showers And Thunderstorms Likely', 'detailedForecast':
'Showers and thunderstorms likely. Partly sunny, with a high near 70. Chance of
precipitation is 70%.'}, {'number': 12, 'name': 'Sunday Night', 'startTime':
'2024-06-09T18:00:00-04:00', 'endTime': '2024-06-10T06:00:00-04:00',
'isDaytime': False, 'temperature': 55, 'temperatureUnit': 'F',
'temperatureTrend': None, 'probabilityOfPrecipitation': {'unitCode':
'wmoUnit:percent', 'value': 70}, 'dewpoint': {'unitCode': 'wmoUnit:degC',
'value': 12.77777777777779}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 86}, 'windSpeed': '7 mph', 'windDirection': 'SW',
'icon':
'https://api.weather.gov/icons/land/night/tsra_hi,70/tsra_hi,30?size=medium',
'shortForecast': 'Showers And Thunderstorms Likely then Chance Showers And
Thunderstorms', 'detailedForecast': 'Showers and thunderstorms likely before
8pm, then a chance of showers and thunderstorms. Mostly cloudy, with a low
around 55. Chance of precipitation is 70%.'}, {'number': 13, 'name': 'Monday',
'startTime': '2024-06-10T06:00:00-04:00', 'endTime':
'2024-06-10T18:00:00-04:00', 'isDaytime': True, 'temperature': 70,
'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':

```

```
{'unitCode': 'wmoUnit:percent', 'value': 50}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': 13.88888888888889}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 86}, 'windSpeed': '8 mph', 'windDirection': 'W',
'icon':
'https://api.weather.gov/icons/land/day/rain_showers,40/tsra_hi,50?size=medium',
'shortForecast': 'Chance Rain Showers', 'detailedForecast': 'A chance of rain
showers before 2pm, then a chance of showers and thunderstorms. Partly sunny,
with a high near 70. Chance of precipitation is 50%.'}, {'number': 14, 'name':
'Monday Night', 'startTime': '2024-06-10T18:00:00-04:00', 'endTime':
'2024-06-11T06:00:00-04:00', 'isDaytime': False, 'temperature': 55,
'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': 50}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': 13.88888888888889}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 90}, 'windSpeed': '3 to 7 mph', 'windDirection':
'W', 'icon':
'https://api.weather.gov/icons/land/night/tsra_hi,50/tsra_hi,30?size=medium',
'shortForecast': 'Chance Showers And Thunderstorms', 'detailedForecast': 'A
chance of showers and thunderstorms. Partly cloudy, with a low around 55. Chance
of precipitation is 50%.'}]}}
```

```
[7]: import json
print(json.dumps(data, indent=1))
```

```
{
  "@context": [
    "https://geojson.org/geojson-ld/geojson-context.jsonld",
    {
      "@version": "1.1",
      "wx": "https://api.weather.gov/ontology#",
      "geo": "http://www.opengis.net/ont/geosparql#",
      "unit": "http://codes.wmo.int/common/unit/",
      "@vocab": "https://api.weather.gov/ontology#"
    }
  ],
  "type": "Feature",
  "geometry": {
    "type": "Polygon",
    "coordinates": [
      [
        [
          -76.2013097,
          43.0381354
        ],
        [
          -76.2054039,
          43.016687000000005
        ],
        [

```

```

    -76.17606919999999,
    43.013692000000006
  ],
  [
    -76.17196879999999,
    43.03514020000001
  ],
  [
    -76.2013097,
    43.0381354
  ]
]
},
"properties": {
  "updated": "2024-02-21T08:11:26+00:00",
  "units": "us",
  "forecastGenerator": "BaselineForecastGenerator",
  "generatedAt": "2024-02-21T15:37:33+00:00",
  "updateTime": "2024-02-21T08:11:26+00:00",
  "validTimes": "2024-02-21T02:00:00+00:00/P8DT6H",
  "elevation": {
    "unitCode": "wmoUnit:m",
    "value": 167.9448
  },
},
"periods": [
  {
    "number": 1,
    "name": "Today",
    "startTime": "2024-02-21T10:00:00-05:00",
    "endTime": "2024-02-21T18:00:00-05:00",
    "isDaytime": true,
    "temperature": 45,
    "temperatureUnit": "F",
    "temperatureTrend": null,
    "probabilityOfPrecipitation": {
      "unitCode": "wmoUnit:percent",
      "value": null
    },
  },
  "dewpoint": {
    "unitCode": "wmoUnit:degC",
    "value": -1.1111111111111112
  },
  "relativeHumidity": {
    "unitCode": "wmoUnit:percent",
    "value": 75
  },
  "windSpeed": "12 to 15 mph",

```



```

    "windDirection": "S",
    "icon": "https://api.weather.gov/icons/land/day/few?size=medium",
    "shortForecast": "Sunny",
    "detailedForecast": "Sunny, with a high near 45. South wind 12 to 15 mph."
  },
  {
    "number": 2,
    "name": "Tonight",
    "startTime": "2024-02-21T18:00:00-05:00",
    "endTime": "2024-02-22T06:00:00-05:00",
    "isDaytime": false,
    "temperature": 32,
    "temperatureUnit": "F",
    "temperatureTrend": null,
    "probabilityOfPrecipitation": {
      "unitCode": "wmoUnit:percent",
      "value": null
    },
    "dewpoint": {
      "unitCode": "wmoUnit:degC",
      "value": -2.2222222222222223
    },
    "relativeHumidity": {
      "unitCode": "wmoUnit:percent",
      "value": 82
    },
    "windSpeed": "12 to 16 mph",
    "windDirection": "S",
    "icon": "https://api.weather.gov/icons/land/night/sct?size=medium",
    "shortForecast": "Partly Cloudy",
    "detailedForecast": "Partly cloudy, with a low around 32. South wind 12 to
16 mph."
  },
  {
    "number": 3,
    "name": "Thursday",
    "startTime": "2024-02-22T06:00:00-05:00",
    "endTime": "2024-02-22T18:00:00-05:00",
    "isDaytime": true,
    "temperature": 46,
    "temperatureUnit": "F",
    "temperatureTrend": null,
    "probabilityOfPrecipitation": {
      "unitCode": "wmoUnit:percent",
      "value": 60
    },
    "dewpoint": {
      "unitCode": "wmoUnit:degC",

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```

    "value": 2.7777777777777777
  },
  "relativeHumidity": {
    "unitCode": "wmoUnit:percent",
    "value": 85
  },
  "windSpeed": "10 to 14 mph",
  "windDirection": "S",
  "icon": "https://api.weather.gov/icons/land/day/bkn/rain,60?size=medium",
  "shortForecast": "Mostly Cloudy then Light Rain Likely",
  "detailedForecast": "Rain likely after noon. Mostly cloudy, with a high near
46. South wind 10 to 14 mph. Chance of precipitation is 60%. New rainfall
amounts less than a tenth of an inch possible."
  },
  {
    "number": 4,
    "name": "Thursday Night",
    "startTime": "2024-02-22T18:00:00-05:00",
    "endTime": "2024-02-23T06:00:00-05:00",
    "isDaytime": false,
    "temperature": 37,
    "temperatureUnit": "F",
    "temperatureTrend": null,
    "probabilityOfPrecipitation": {
      "unitCode": "wmoUnit:percent",
      "value": 70
    },
    "dewpoint": {
      "unitCode": "wmoUnit:degC",
      "value": 2.7777777777777777
    },
    "relativeHumidity": {
      "unitCode": "wmoUnit:percent",
      "value": 92
    },
    "windSpeed": "8 to 14 mph",
    "windDirection": "S",
    "icon":
"https://api.weather.gov/icons/land/night/rain,60/rain,70?size=medium",
    "shortForecast": "Light Rain Likely",
    "detailedForecast": "Rain likely. Cloudy, with a low around 37. South wind 8
to 14 mph. Chance of precipitation is 70%. New rainfall amounts less than a
tenth of an inch possible."
  },
  {
    "number": 5,
    "name": "Friday",
    "startTime": "2024-02-23T06:00:00-05:00",

```

```

    "endTime": "2024-02-23T18:00:00-05:00",
    "isDaytime": true,
    "temperature": 42,
    "temperatureUnit": "F",
    "temperatureTrend": null,
    "probabilityOfPrecipitation": {
      "unitCode": "wmoUnit:percent",
      "value": 70
    },
    "dewpoint": {
      "unitCode": "wmoUnit:degC",
      "value": 3.3333333333333335
    },
    "relativeHumidity": {
      "unitCode": "wmoUnit:percent",
      "value": 96
    },
    "windSpeed": "7 to 16 mph",
    "windDirection": "W",
    "icon":
      "https://api.weather.gov/icons/land/day/rain,70/snow,60?size=medium",
    "shortForecast": "Light Rain Likely then Chance Snow Showers",
    "detailedForecast": "Rain likely before 1pm, then a chance of rain showers
      between 1pm and 4pm, then a chance of snow showers. Mostly cloudy, with a high
      near 42. West wind 7 to 16 mph. Chance of precipitation is 70%."
  },
  {
    "number": 6,
    "name": "Friday Night",
    "startTime": "2024-02-23T18:00:00-05:00",
    "endTime": "2024-02-24T06:00:00-05:00",
    "isDaytime": false,
    "temperature": 14,
    "temperatureUnit": "F",
    "temperatureTrend": null,
    "probabilityOfPrecipitation": {
      "unitCode": "wmoUnit:percent",
      "value": 40
    },
    "dewpoint": {
      "unitCode": "wmoUnit:degC",
      "value": -3.3333333333333335
    },
    "relativeHumidity": {
      "unitCode": "wmoUnit:percent",
      "value": 75
    },
    "windSpeed": "18 to 22 mph",

```

```

    "windDirection": "NW",
    "icon":
"https://api.weather.gov/icons/land/night/snow,40/snow,30?size=medium",
    "shortForecast": "Chance Snow Showers",
    "detailedForecast": "A chance of snow showers. Mostly cloudy, with a low
around 14. Chance of precipitation is 40%. New snow accumulation of less than
half an inch possible."
  },
  {
    "number": 7,
    "name": "Saturday",
    "startTime": "2024-02-24T06:00:00-05:00",
    "endTime": "2024-02-24T18:00:00-05:00",
    "isDaytime": true,
    "temperature": 22,
    "temperatureUnit": "F",
    "temperatureTrend": null,
    "probabilityOfPrecipitation": {
      "unitCode": "wmoUnit:percent",
      "value": 30
    },
    "dewpoint": {
      "unitCode": "wmoUnit:degC",
      "value": -12.777777777777779
    },
    "relativeHumidity": {
      "unitCode": "wmoUnit:percent",
      "value": 64
    },
    "windSpeed": "15 to 20 mph",
    "windDirection": "NW",
    "icon": "https://api.weather.gov/icons/land/day/snow,30?size=medium",
    "shortForecast": "Chance Snow Showers",
    "detailedForecast": "A chance of snow showers. Partly sunny, with a high
near 22. Chance of precipitation is 30%. New snow accumulation of less than one
inch possible."
  },
  {
    "number": 8,
    "name": "Saturday Night",
    "startTime": "2024-02-24T18:00:00-05:00",
    "endTime": "2024-02-25T06:00:00-05:00",
    "isDaytime": false,
    "temperature": 17,
    "temperatureUnit": "F",
    "temperatureTrend": null,
    "probabilityOfPrecipitation": {
      "unitCode": "wmoUnit:percent",

```

```

    "value": null
  },
  "dewpoint": {
    "unitCode": "wmoUnit:degC",
    "value": -10.555555555555555
  },
  "relativeHumidity": {
    "unitCode": "wmoUnit:percent",
    "value": 80
  },
  "windSpeed": "13 mph",
  "windDirection": "W",
  "icon": "https://api.weather.gov/icons/land/night/snow/bkn?size=medium",
  "shortForecast": "Slight Chance Snow Showers then Mostly Cloudy",
  "detailedForecast": "A slight chance of snow showers before 7pm. Mostly
cloudy, with a low around 17. New snow accumulation of less than half an inch
possible."
},
{
  "number": 9,
  "name": "Sunday",
  "startTime": "2024-02-25T06:00:00-05:00",
  "endTime": "2024-02-25T18:00:00-05:00",
  "isDaytime": true,
  "temperature": 41,
  "temperatureUnit": "F",
  "temperatureTrend": null,
  "probabilityOfPrecipitation": {
    "unitCode": "wmoUnit:percent",
    "value": null
  },
  "dewpoint": {
    "unitCode": "wmoUnit:degC",
    "value": -3.3333333333333335
  },
  "relativeHumidity": {
    "unitCode": "wmoUnit:percent",
    "value": 71
  },
  "windSpeed": "12 to 16 mph",
  "windDirection": "SW",
  "icon":
"https://api.weather.gov/icons/land/day/bkn/rain_showers?size=medium",
  "shortForecast": "Partly Sunny then Slight Chance Rain Showers",
  "detailedForecast": "A slight chance of rain showers after 1pm. Partly
sunny, with a high near 41."
},
{

```

```

    "number": 10,
    "name": "Sunday Night",
    "startTime": "2024-02-25T18:00:00-05:00",
    "endTime": "2024-02-26T06:00:00-05:00",
    "isDaytime": false,
    "temperature": 34,
    "temperatureUnit": "F",
    "temperatureTrend": null,
    "probabilityOfPrecipitation": {
      "unitCode": "wmoUnit:percent",
      "value": 30
    },
    "dewpoint": {
      "unitCode": "wmoUnit:degC",
      "value": -0.5555555555555556
    },
    "relativeHumidity": {
      "unitCode": "wmoUnit:percent",
      "value": 85
    },
    "windSpeed": "13 to 17 mph",
    "windDirection": "SW",
    "icon":
    "https://api.weather.gov/icons/land/night/rain_showers,30?size=medium",
    "shortForecast": "Chance Rain Showers",
    "detailedForecast": "A chance of rain showers. Mostly cloudy, with a low
around 34. Chance of precipitation is 30%."
  },
  {
    "number": 11,
    "name": "Monday",
    "startTime": "2024-02-26T06:00:00-05:00",
    "endTime": "2024-02-26T18:00:00-05:00",
    "isDaytime": true,
    "temperature": 48,
    "temperatureUnit": "F",
    "temperatureTrend": null,
    "probabilityOfPrecipitation": {
      "unitCode": "wmoUnit:percent",
      "value": 30
    },
    "dewpoint": {
      "unitCode": "wmoUnit:degC",
      "value": 0
    },
    "relativeHumidity": {
      "unitCode": "wmoUnit:percent",
      "value": 85
    }
  }

```

```

    },
    "windSpeed": "9 to 13 mph",
    "windDirection": "W",
    "icon": "https://api.weather.gov/icons/land/day/snow,30/snow?size=medium",
    "shortForecast": "Slight Chance Rain And Snow Showers",
    "detailedForecast": "A chance of rain showers before 7am, then a slight
chance of rain and snow showers between 7am and 1pm. Partly sunny, with a high
near 48. Chance of precipitation is 30%."
  },
  {
    "number": 12,
    "name": "Monday Night",
    "startTime": "2024-02-26T18:00:00-05:00",
    "endTime": "2024-02-27T06:00:00-05:00",
    "isDaytime": false,
    "temperature": 37,
    "temperatureUnit": "F",
    "temperatureTrend": null,
    "probabilityOfPrecipitation": {
      "unitCode": "wmoUnit:percent",
      "value": null
    },
    "dewpoint": {
      "unitCode": "wmoUnit:degC",
      "value": 0.5555555555555556
    },
    "relativeHumidity": {
      "unitCode": "wmoUnit:percent",
      "value": 82
    },
    "windSpeed": "8 to 15 mph",
    "windDirection": "SE",
    "icon":
"https://api.weather.gov/icons/land/night/bkn/rain_showers?size=medium",
    "shortForecast": "Mostly Cloudy then Slight Chance Rain Showers",
    "detailedForecast": "A slight chance of rain showers after 1am. Mostly
cloudy, with a low around 37."
  },
  {
    "number": 13,
    "name": "Tuesday",
    "startTime": "2024-02-27T06:00:00-05:00",
    "endTime": "2024-02-27T18:00:00-05:00",
    "isDaytime": true,
    "temperature": 55,
    "temperatureUnit": "F",
    "temperatureTrend": null,
    "probabilityOfPrecipitation": {

```

```

    "unitCode": "wmoUnit:percent",
    "value": 50
  },
  "dewpoint": {
    "unitCode": "wmoUnit:degC",
    "value": 7.222222222222222
  },
  "relativeHumidity": {
    "unitCode": "wmoUnit:percent",
    "value": 82
  },
  "windSpeed": "15 to 22 mph",
  "windDirection": "S",
  "icon":
    "https://api.weather.gov/icons/land/day/rain,40/rain,50?size=medium",
    "shortForecast": "Chance Light Rain",
    "detailedForecast": "A slight chance of rain showers before 7am, then a
    chance of rain. Mostly cloudy, with a high near 55. Chance of precipitation is
    50%."
  },
  {
    "number": 14,
    "name": "Tuesday Night",
    "startTime": "2024-02-27T18:00:00-05:00",
    "endTime": "2024-02-28T06:00:00-05:00",
    "isDaytime": false,
    "temperature": 47,
    "temperatureUnit": "F",
    "temperatureTrend": null,
    "probabilityOfPrecipitation": {
      "unitCode": "wmoUnit:percent",
      "value": 50
    },
    "dewpoint": {
      "unitCode": "wmoUnit:degC",
      "value": 8.333333333333334
    },
    "relativeHumidity": {
      "unitCode": "wmoUnit:percent",
      "value": 89
    },
    "windSpeed": "23 mph",
    "windDirection": "S",
    "icon": "https://api.weather.gov/icons/land/night/rain,50?size=medium",
    "shortForecast": "Chance Light Rain",
    "detailedForecast": "A chance of rain. Mostly cloudy, with a low around 47.
    Chance of precipitation is 50%."
  }
}

```



```
]
}
}
```

```
[9]: print(data['properties']['periods'])
```

```
[{'number': 1, 'name': 'Today', 'startTime': '2024-02-21T10:00:00-05:00',
'endTime': '2024-02-21T18:00:00-05:00', 'isDaytime': True, 'temperature': 45,
'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': None}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': -1.111111111111112}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 75}, 'windSpeed': '12 to 15 mph', 'windDirection':
'S', 'icon': 'https://api.weather.gov/icons/land/day/few?size=medium',
'shortForecast': 'Sunny', 'detailedForecast': 'Sunny, with a high near 45. South
wind 12 to 15 mph.'}, {'number': 2, 'name': 'Tonight', 'startTime':
'2024-02-21T18:00:00-05:00', 'endTime': '2024-02-22T06:00:00-05:00',
'isDaytime': False, 'temperature': 32, 'temperatureUnit': 'F',
'temperatureTrend': None, 'probabilityOfPrecipitation': {'unitCode':
'wmoUnit:percent', 'value': None}, 'dewpoint': {'unitCode': 'wmoUnit:degC',
'value': -2.222222222222223}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 82}, 'windSpeed': '12 to 16 mph', 'windDirection':
'S', 'icon': 'https://api.weather.gov/icons/land/night/sct?size=medium',
'shortForecast': 'Partly Cloudy', 'detailedForecast': 'Partly cloudy, with a low
around 32. South wind 12 to 16 mph.'}, {'number': 3, 'name': 'Thursday',
'startTime': '2024-02-22T06:00:00-05:00', 'endTime':
'2024-02-22T18:00:00-05:00', 'isDaytime': True, 'temperature': 46,
'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': 60}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': 2.777777777777777}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 85}, 'windSpeed': '10 to 14 mph', 'windDirection':
'S', 'icon': 'https://api.weather.gov/icons/land/day/bkn/rain,60?size=medium',
'shortForecast': 'Mostly Cloudy then Light Rain Likely', 'detailedForecast':
'Rain likely after noon. Mostly cloudy, with a high near 46. South wind 10 to 14
mph. Chance of precipitation is 60%. New rainfall amounts less than a tenth of
an inch possible.'}, {'number': 4, 'name': 'Thursday Night', 'startTime':
'2024-02-22T18:00:00-05:00', 'endTime': '2024-02-23T06:00:00-05:00',
'isDaytime': False, 'temperature': 37, 'temperatureUnit': 'F',
'temperatureTrend': None, 'probabilityOfPrecipitation': {'unitCode':
'wmoUnit:percent', 'value': 70}, 'dewpoint': {'unitCode': 'wmoUnit:degC',
'value': 2.777777777777777}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 92}, 'windSpeed': '8 to 14 mph', 'windDirection':
'S', 'icon':
'https://api.weather.gov/icons/land/night/rain,60/rain,70?size=medium',
'shortForecast': 'Light Rain Likely', 'detailedForecast': 'Rain likely. Cloudy,
with a low around 37. South wind 8 to 14 mph. Chance of precipitation is 70%.
New rainfall amounts less than a tenth of an inch possible.'}, {'number': 5,
'name': 'Friday', 'startTime': '2024-02-23T06:00:00-05:00', 'endTime':
'2024-02-23T18:00:00-05:00', 'isDaytime': True, 'temperature': 42,
```

```

'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': 70}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': 3.333333333333335}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 96}, 'windSpeed': '7 to 16 mph', 'windDirection':
'W', 'icon':
'https://api.weather.gov/icons/land/day/rain,70/snow,60?size=medium',
'shortForecast': 'Light Rain Likely then Chance Snow Showers',
'detailedForecast': 'Rain likely before 1pm, then a chance of rain showers
between 1pm and 4pm, then a chance of snow showers. Mostly cloudy, with a high
near 42. West wind 7 to 16 mph. Chance of precipitation is 70%.', {'number': 6,
'name': 'Friday Night', 'startTime': '2024-02-23T18:00:00-05:00', 'endTime':
'2024-02-24T06:00:00-05:00', 'isDaytime': False, 'temperature': 14,
'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': 40}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': -3.333333333333335}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 75}, 'windSpeed': '18 to 22 mph', 'windDirection':
'NW', 'icon':
'https://api.weather.gov/icons/land/night/snow,40/snow,30?size=medium',
'shortForecast': 'Chance Snow Showers', 'detailedForecast': 'A chance of snow
showers. Mostly cloudy, with a low around 14. Chance of precipitation is 40%.
New snow accumulation of less than half an inch possible.', {'number': 7,
'name': 'Saturday', 'startTime': '2024-02-24T06:00:00-05:00', 'endTime':
'2024-02-24T18:00:00-05:00', 'isDaytime': True, 'temperature': 22,
'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': 30}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': -12.777777777777779}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 64}, 'windSpeed': '15 to 20 mph', 'windDirection':
'NW', 'icon': 'https://api.weather.gov/icons/land/day/snow,30?size=medium',
'shortForecast': 'Chance Snow Showers', 'detailedForecast': 'A chance of snow
showers. Partly sunny, with a high near 22. Chance of precipitation is 30%. New
snow accumulation of less than one inch possible.', {'number': 8, 'name':
'Saturday Night', 'startTime': '2024-02-24T18:00:00-05:00', 'endTime':
'2024-02-25T06:00:00-05:00', 'isDaytime': False, 'temperature': 17,
'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': None}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': -10.555555555555555}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 80}, 'windSpeed': '13 mph', 'windDirection': 'W',
'icon': 'https://api.weather.gov/icons/land/night/snow/bkn?size=medium',
'shortForecast': 'Slight Chance Snow Showers then Mostly Cloudy',
'detailedForecast': 'A slight chance of snow showers before 7pm. Mostly cloudy,
with a low around 17. New snow accumulation of less than half an inch
possible.', {'number': 9, 'name': 'Sunday', 'startTime':
'2024-02-25T06:00:00-05:00', 'endTime': '2024-02-25T18:00:00-05:00',
'isDaytime': True, 'temperature': 41, 'temperatureUnit': 'F',
'temperatureTrend': None, 'probabilityOfPrecipitation': {'unitCode':
'wmoUnit:percent', 'value': None}, 'dewpoint': {'unitCode': 'wmoUnit:degC',
'value': -3.333333333333335}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 71}, 'windSpeed': '12 to 16 mph', 'windDirection':

```

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'SW', 'icon':
'https://api.weather.gov/icons/land/day/bkn/rain_showers?size=medium',
'shortForecast': 'Partly Sunny then Slight Chance Rain Showers',
'detailedForecast': 'A slight chance of rain showers after 1pm. Partly sunny,
with a high near 41.}', {'number': 10, 'name': 'Sunday Night', 'startTime':
'2024-02-25T18:00:00-05:00', 'endTime': '2024-02-26T06:00:00-05:00',
'isDaytime': False, 'temperature': 34, 'temperatureUnit': 'F',
'temperatureTrend': None, 'probabilityOfPrecipitation': {'unitCode':
'wmoUnit:percent', 'value': 30}, 'dewpoint': {'unitCode': 'wmoUnit:degC',
'value': -0.5555555555555556}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 85}, 'windSpeed': '13 to 17 mph', 'windDirection':
'SW', 'icon':
'https://api.weather.gov/icons/land/night/rain_showers,30?size=medium',
'shortForecast': 'Chance Rain Showers', 'detailedForecast': 'A chance of rain
showers. Mostly cloudy, with a low around 34. Chance of precipitation is 30%.}',
{'number': 11, 'name': 'Monday', 'startTime': '2024-02-26T06:00:00-05:00',
'endTime': '2024-02-26T18:00:00-05:00', 'isDaytime': True, 'temperature': 48,
'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': 30}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': 0}, 'relativeHumidity': {'unitCode': 'wmoUnit:percent',
'value': 85}, 'windSpeed': '9 to 13 mph', 'windDirection': 'W', 'icon':
'https://api.weather.gov/icons/land/day/snow,30/snow?size=medium',
'shortForecast': 'Slight Chance Rain And Snow Showers', 'detailedForecast': 'A
chance of rain showers before 7am, then a slight chance of rain and snow showers
between 7am and 1pm. Partly sunny, with a high near 48. Chance of precipitation
is 30%.}', {'number': 12, 'name': 'Monday Night', 'startTime':
'2024-02-26T18:00:00-05:00', 'endTime': '2024-02-27T06:00:00-05:00',
'isDaytime': False, 'temperature': 37, 'temperatureUnit': 'F',
'temperatureTrend': None, 'probabilityOfPrecipitation': {'unitCode':
'wmoUnit:percent', 'value': None}, 'dewpoint': {'unitCode': 'wmoUnit:degC',
'value': 0.5555555555555556}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 82}, 'windSpeed': '8 to 15 mph', 'windDirection':
'SE', 'icon':
'https://api.weather.gov/icons/land/night/bkn/rain_showers?size=medium',
'shortForecast': 'Mostly Cloudy then Slight Chance Rain Showers',
'detailedForecast': 'A slight chance of rain showers after 1am. Mostly cloudy,
with a low around 37.}', {'number': 13, 'name': 'Tuesday', 'startTime':
'2024-02-27T06:00:00-05:00', 'endTime': '2024-02-27T18:00:00-05:00',
'isDaytime': True, 'temperature': 55, 'temperatureUnit': 'F',
'temperatureTrend': None, 'probabilityOfPrecipitation': {'unitCode':
'wmoUnit:percent', 'value': 50}, 'dewpoint': {'unitCode': 'wmoUnit:degC',
'value': 7.222222222222222}, 'relativeHumidity': {'unitCode': 'wmoUnit:percent',
'value': 82}, 'windSpeed': '15 to 22 mph', 'windDirection': 'S', 'icon':
'https://api.weather.gov/icons/land/day/rain,40/rain,50?size=medium',
'shortForecast': 'Chance Light Rain', 'detailedForecast': 'A slight chance of
rain showers before 7am, then a chance of rain. Mostly cloudy, with a high near
55. Chance of precipitation is 50%.}', {'number': 14, 'name': 'Tuesday Night',
'startTime': '2024-02-27T18:00:00-05:00', 'endTime':

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'2024-02-28T06:00:00-05:00', 'isDaytime': False, 'temperature': 47,
'temperatureUnit': 'F', 'temperatureTrend': None, 'probabilityOfPrecipitation':
{'unitCode': 'wmoUnit:percent', 'value': 50}, 'dewpoint': {'unitCode':
'wmoUnit:degC', 'value': 8.333333333333334}, 'relativeHumidity': {'unitCode':
'wmoUnit:percent', 'value': 89}, 'windSpeed': '23 mph', 'windDirection': 'S',
'icon': 'https://api.weather.gov/icons/land/night/rain,50?size=medium',
'shortForecast': 'Chance Light Rain', 'detailedForecast': 'A chance of rain.
Mostly cloudy, with a low around 47. Chance of precipitation is 50%.'}]
```

```
[8]: forecast = pd.DataFrame(data['properties']['periods'], columns=['name',
↪ 'temperature', 'temperatureUnit', 'windSpeed', 'windDirection', 'shortForecast'])
forecast
```

```
[8]:
```

	name	temperature	temperatureUnit	windSpeed	windDirection	\
0	Today	45	F	12 to 15 mph	S	
1	Tonight	32	F	12 to 16 mph	S	
2	Thursday	46	F	10 to 14 mph	S	
3	Thursday Night	37	F	8 to 14 mph	S	
4	Friday	42	F	7 to 16 mph	W	
5	Friday Night	14	F	18 to 22 mph	NW	
6	Saturday	22	F	15 to 20 mph	NW	
7	Saturday Night	17	F	13 mph	W	
8	Sunday	41	F	12 to 16 mph	SW	
9	Sunday Night	34	F	13 to 17 mph	SW	
10	Monday	48	F	9 to 13 mph	W	
11	Monday Night	37	F	8 to 15 mph	SE	
12	Tuesday	55	F	15 to 22 mph	S	
13	Tuesday Night	47	F	23 mph	S	

	shortForecast
0	Sunny
1	Partly Cloudy
2	Mostly Cloudy then Light Rain Likely
3	Light Rain Likely
4	Light Rain Likely then Chance Snow Showers
5	Chance Snow Showers
6	Chance Snow Showers
7	Slight Chance Snow Showers then Mostly Cloudy
8	Partly Sunny then Slight Chance Rain Showers
9	Chance Rain Showers
10	Slight Chance Rain And Snow Showers
11	Mostly Cloudy then Slight Chance Rain Showers
12	Chance Light Rain
13	Chance Light Rain

```
[ ]:
```