

## Assignment3

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**Host:**

<http://127.0.0.1:8000/>

**Endpoints:**

Service 1:

<http://127.0.0.1:8000/interpolation/>

Method: POST

Input format:

```
{
  "data": {
    "time": {
      "0": 1577836800000,
      "1": 1577923200000,
      "2": 1578096000000
    },
    "vol": {
      "0": 20,
      "1": 40,
      "2": 100
    }
  },
  "confing": {
    "type": "miladi",
    "time": "daily",
    "interpolation": "linear"
  }
}
```

Service 2:

http://127.0.0.1:8000/interpolate-convert-date/

Method: POST

Input format:

```
{
  "data": {
    "time": {
      "0": 1328227200000,
      "1": 1328400000000,
      "2": 1328486400000
    },
    "vol": {
      "0": 20,
      "1": 40,
      "2": 100
    }
  },
  "config": {
    "time": "daily",
    "interpolation": "linear",
    "skip_holiday": false
  }
}
```

Service 3:

<http://127.0.0.1:8000/outliers/>

Method: POST

Input format:

```
{
  "data": {
    "id": {
      "0": 1,
      "1": 2,
      "2": 3,
      "3": 4,
      "4": 5,
      "5": 6
    },
    "feature": {
      "0": 100,
      "1": 20,
      "2": 35,
      "3": 67,
      "4": 89,
      "5": 90
    }
  },
  "config": {
    "time_series": false
  }
}
```

Service 4:

<http://127.0.0.1:8000/balance-data/>

Method: POST

Input format:

```
{
  "data": {
    "id": {
      "0": 1,
      "1": 2,
      "2": 3,
      "3": 4,
      "4": 5,
      "5": 6
    },
    "feature1": {
      "0": 50,
      "1": 12,
      "2": 50,
      "3": 500,
      "4": 60,
      "5": 12
    },
    "class": {
      "0": 1,
      "1": 1,
      "2": 1,
      "3": 1,
      "4": 1,
      "5": 0
    }
  },
  "config": {
    "major_class": 1,
    "minor_class": 0,
    "method": "SMOTE"
  }
}
```

```
}  
}
```

Instruction:

```
pip3 install -r requirement.txt  
python3 manage.py migrate  
python3 manage.py runserver
```

Use it!