

# NBP Crasher

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## Access

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## StatisticsRouter

### GET /api/stats/

Get Stats (**getStatsApiStatsGet**)

Returns analysis of rates for currency/currencies passed to endpoint as parameters for specified time span

#### Query parameters

- first\_currency (optional)**  
*Query Parameter* – First currency 3 characters symbol default: usd
- second\_currency (optional)**  
*Query Parameter* – Second currency 3 characters symbol
- date\_from (optional)**  
*Query Parameter* – Start date from which data will be fetched default: 2025-01-09
- date\_end (optional)**  
*Query Parameter* – End date for which data will be fetched default: 2025-01-16

#### Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

#### Responses

200

OK

#### Example data

Content-Type: application/json

```
{
  "statistics": {
    "mode": {
      "3.9355": 2,
      "3.9392": 2,
      "3.9368": 2,
      "3.9389": 2,
      "3.9183": 2,
      "3.9922": 2,
      "4.0202": 2,
      "4.0189": 2,
      "3.9866": 2,
      "4.0341": 2
    },
    "standard_deviation": 0.0763,
    "variation_coefficient": 1.9158,
    "median": 3.984
  },
  "sessions": {
    "increasing_sessions": 116,
    "decreasing_sessions": 123,
    "no_change_sessions": 0
  },
  "changes_distribution": [
    {
      "rangeBegin": "-inf",
      "rangeEnd": "-0.0116",
      "value": 1
    },
    {
      "rangeBegin": "-0.0116",
      "rangeEnd": "-0.0090",
      "value": 5
    },
    {
      "rangeBegin": "-0.0090",
      "rangeEnd": "-0.0064",
      "value": 15
    },
    {
      "rangeBegin": "-0.0064",
      "rangeEnd": "-0.0038",
      "value": 37
    },
    {
      "rangeBegin": "-0.0038",
      "rangeEnd": "-0.0012",
      "value": 44
    },
    {
      "rangeBegin": "-0.0012",
      "rangeEnd": "0.0014",
      "value": 46
    },
    {
      "rangeBegin": "0.0014",
      "rangeEnd": "0.0040",
      "value": 44
    },
    {
      "rangeBegin": "0.0040",
      "rangeEnd": "0.0066",
      "value": 25
    },
    {
      "rangeBegin": "0.0066",
      "rangeEnd": "0.0092",
      "value": 10
    },
    {
      "rangeBegin": "0.0092",
      "rangeEnd": "0.0118",
      "value": 5
    },
    {
      "rangeBegin": "0.0118",
      "rangeEnd": "0.0145",
      "value": 3
    },
    {
      "rangeBegin": "0.0145",
      "rangeEnd": "0.0171",
      "value": 2
    },
    {
      "rangeBegin": "0.0171",
      "rangeEnd": "0.0197",
      "value": 1
    },
    {
      "rangeBegin": "0.0197",
      "rangeEnd": "+inf",
      "value": 1
    }
  ]
}
```

400

Bad request

#### Example data

Content-Type: application/json

```
[
  {
    "detail": "invalid_data"
  },
  {
    "detail": "date_not_supported"
  }
]
```

422

Validation Error [HTTPValidationError](#)

500

Internal Server Error

#### Example data

Content-Type: application/json

```
{
  "detail": "internal_server_error"
}
```