

```
# Dataset Profiling Report
```

```
## Dataset Overview
```

```
- **Rows:** 2200
```

```
- **Columns:** 8
```

```
### Schema
```

```
- `N` : Int64
```

```
- `P` : Int64
```

```
- `K` : Int64
```

```
- `temperature` : Float64
```

```
- `humidity` : Float64
```

```
- `ph` : Float64
```

```
- `rainfall` : Float64
```

```
- `label` : String
```

```
## Descriptive Statistics
```

```
### `N`
```

```
- **Mean**: 50.5518
```

```
- **Min**: 0
```

```
- **Max**: 140
```

```
- **Std**: 36.9173
```

```
### `P`
```

```
- **Mean**: 53.3627
```

```
- **Min**: 5
```

```
- **Max**: 145
```

```
- **Std**: 32.9859
```

```
### `K`
```

```
- **Mean**: 48.1491
```

```
- **Min**: 5
```

```
- **Max**: 205
```

```
- **Std**: 50.6479
```

```
### `temperature`
```

```
- **Mean**: 25.6162
```

```
- **Min**: 8.8257
```

```
- **Max**: 43.6755
```

```
- **Std**: 5.0637
```

```
### `humidity`
```

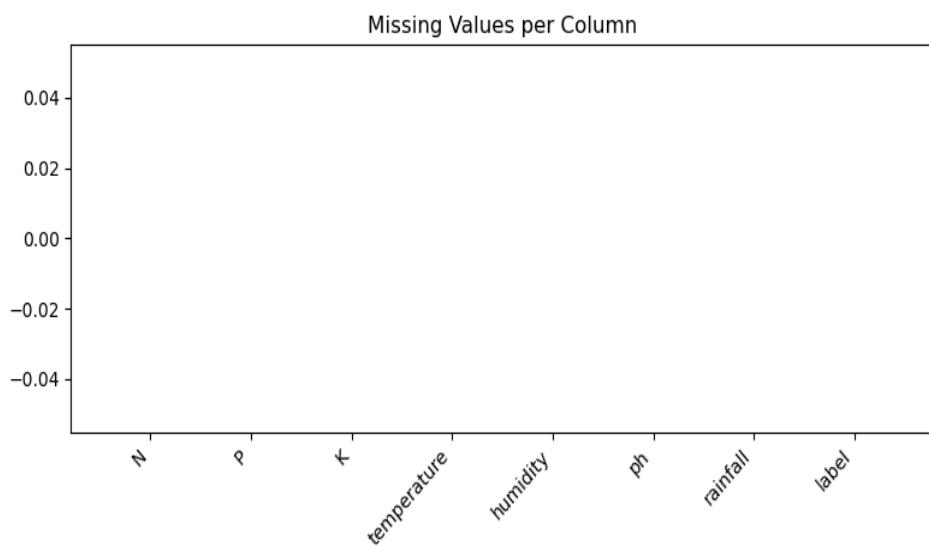
```
- **Mean**: 71.4818
```

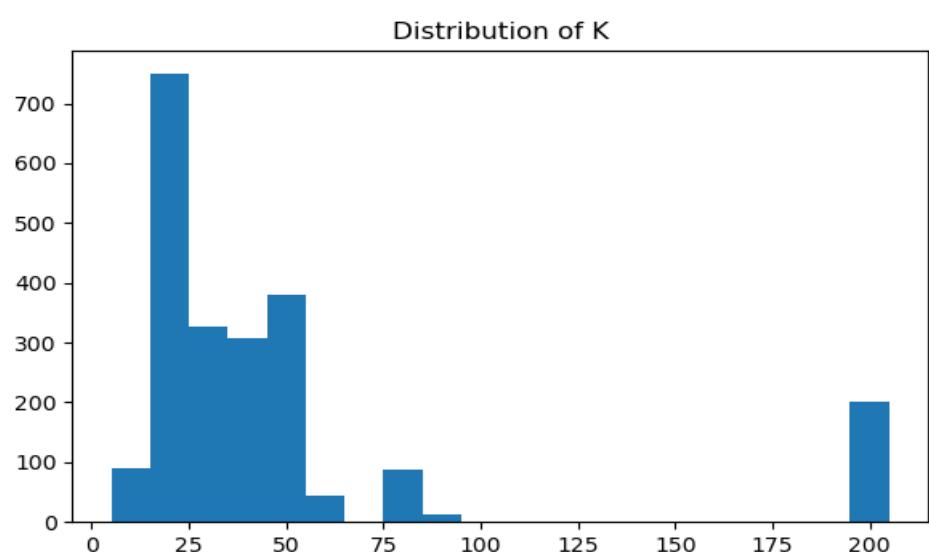
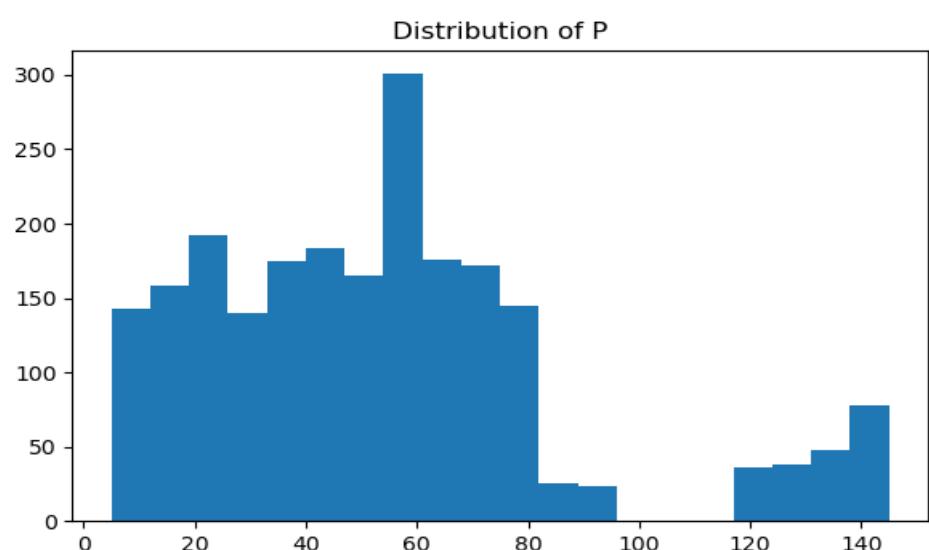
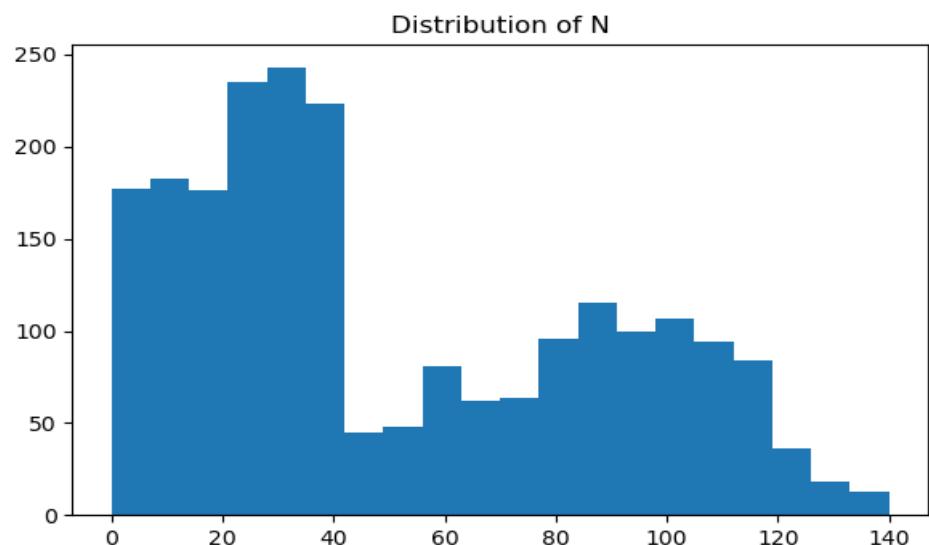
```
- **Min**: 14.258
```

```

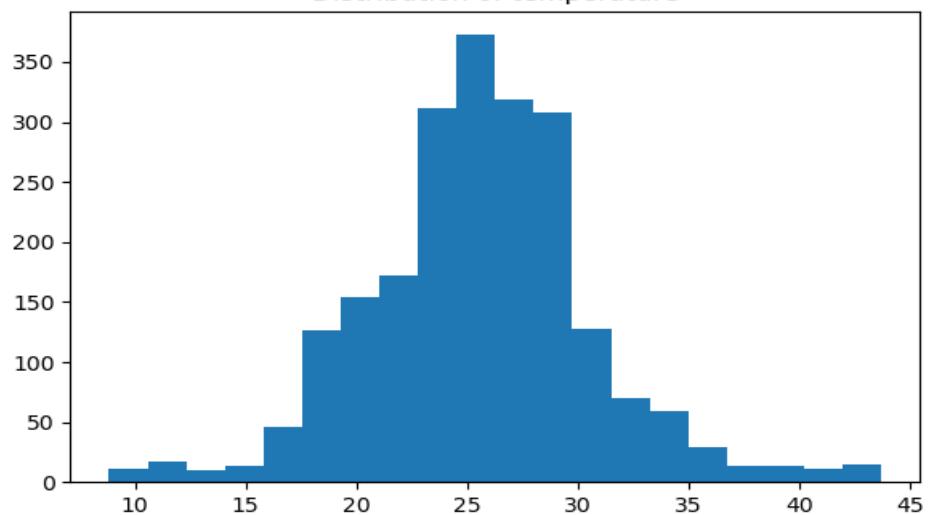
- **Max**: 99.9819
- **Std**: 22.2638
### `ph`
- **Mean**: 6.4695
- **Min**: 3.5048
- **Max**: 9.9351
- **Std**: 0.7739
### `rainfall`
- **Mean**: 103.4637
- **Min**: 20.2113
- **Max**: 298.5601
- **Std**: 54.9584
## Missing Value Analysis
- `N`: 0 missing (0.00%)
- `P`: 0 missing (0.00%)
- `K`: 0 missing (0.00%)
- `temperature`: 0 missing (0.00%)
- `humidity`: 0 missing (0.00%)
- `ph`: 0 missing (0.00%)
- `rainfall`: 0 missing (0.00%)
- `label`: 0 missing (0.00%)

```

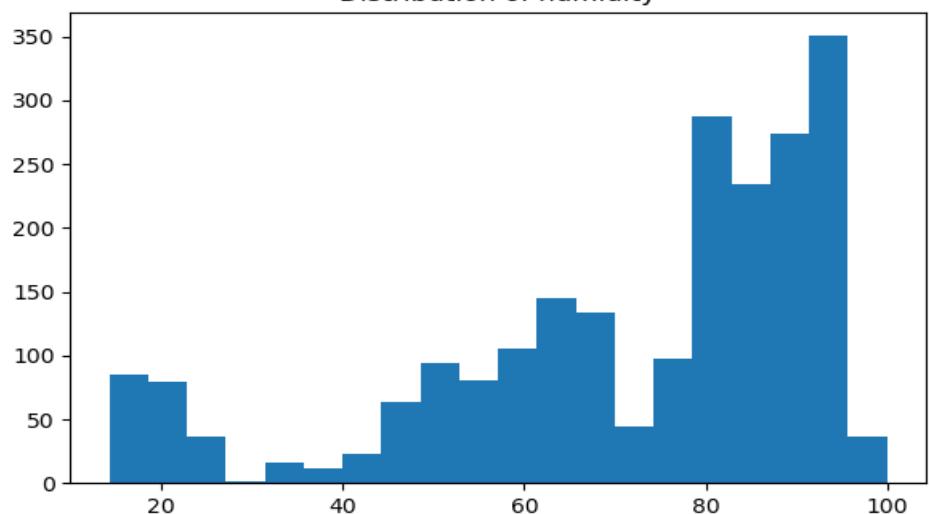




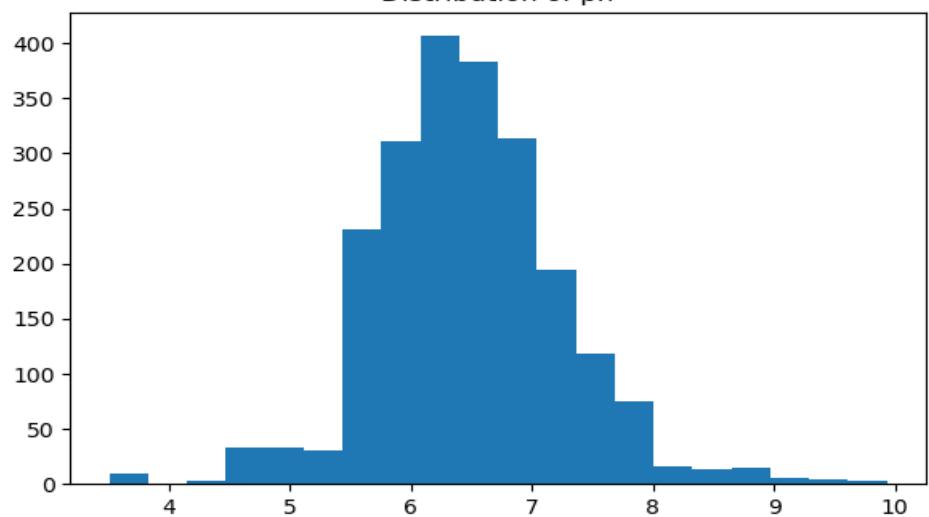
Distribution of temperature



Distribution of humidity



Distribution of ph



Distribution of rainfall

