grade_distribution

September 10, 2021

```
[ ]: import pandas as px
     import plotly.express as ps
```

```
[ ]: import pandas as px
     import plotly.express as ps
```

```
[ ]: # This is the examples of existing grades of the images
     df.head()
```

```
[ ]:             Grade  Centering  Surface  Corners  Edges
     Identifier
     2135041001    7.5       10.0      7.0      8.5    7.5
     2135041002    8.0       10.0      7.5      8.5    8.0
     2135041003    9.0        9.5      8.5      9.0    9.0
     2135041004    8.5        9.5      8.5      9.0    8.5
     2135041005    8.0       10.0      8.5      8.5    7.5
```

```
[ ]: # Histogram of final scores of cards
     fig = px.histogram(df, x = 'Grade', title = 'Histogram of grades')
     fig.show()
```

```
[ ]: # Histogram of "Centering" scores of cards
     fig = px.histogram(df, x = 'Centering', title = 'Histogram of centering')
     fig.show()
```

```
[ ]: # Histogram of "Surface" scores of cards
     fig = px.histogram(df, x = 'Surface', title = 'Histogram of surface')
     fig.show()
```

```
[ ]: # Histogram of "Corners" scores of cards
     fig = px.histogram(df, x = 'Corners', title = 'Histogram of corners')
     fig.show()
```

```
[ ]: # Histogram of "Edges" scores of cards
     fig = px.histogram(df, x = 'Edges', title = 'Histogram of edges')
     fig.show()
```

[ ]: