http://stackoverflow.com/research/developer-survey-2016#most-popular-technologies-per-occupation

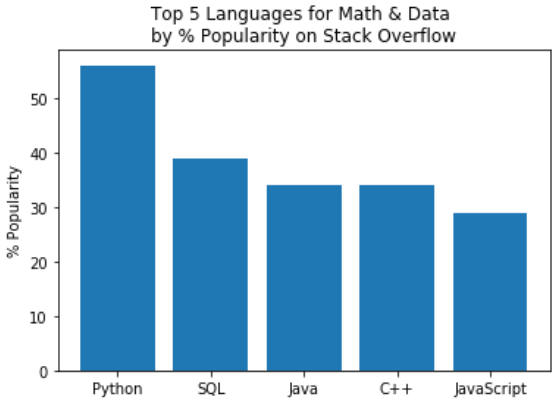
```
import matplotlib.pyplot as plt
import numpy as np

plt.figure()

languages =['Python', 'SQL', 'Java', 'C++', 'JavaScript']
pos = np.arange(len(languages))
popularity = [56, 39, 34, 34, 29]

plt.bar(pos, popularity, align='center')
plt.xticks(pos, languages)
plt.ylabel('% Popularity')
plt.title('Top 5 Languages for Math & Data \nby % Popularity on Stack Overflow')

plt.show()
```

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plt.figure()

languages =['Python', 'SQL', 'Java', 'C++', 'JavaScript']
pos = np.arange(len(languages))
popularity = [56, 39, 34, 34, 29]

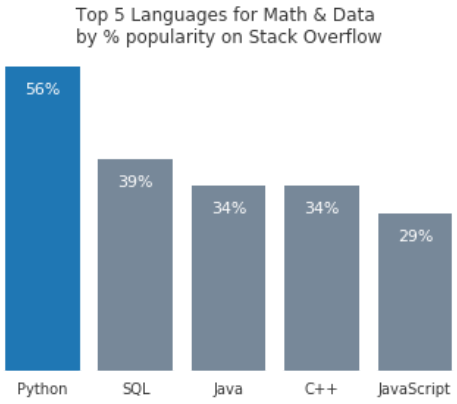
# change the bar color to be less bright blue
bars = plt.bar(pos, popularity, align='center', linewidth=0, color='lightslategrey')
# change one bar, the python bar, to a contrasting color
bars[0].set_color('#1F77B4')

# soften all labels by turning grey
plt.xticks(pos, languages, alpha=0.8)
# remove the Y label since bars are directly labeled
#plt.ylabel('% Popularity', alpha=0.8)
plt.title('Top 5 Languages for Math & Data \nby % popularity on Stack Overflow', alpha=0.8)

# remove all the ticks (both axes), and tick labels on the Y axis
plt.tick_params(top='off', bottom='off', left='off', right='off', labelleft='off', labelbottom='on')

# remove the frame of the chart
for spine in plt.gca().spines.values():
    spine.set_visible(False)

# direct label each bar with Y axis values
for bar in bars:
    height = bar.get_height()
    plt.gca().text(bar.get_x() + bar.get_width()/2, bar.get_height() - 5, str(int(height)) + '%',
                ha='center', color='w', fontsize=11)
plt.show()
```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by % popularity on Stack Overflow
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