

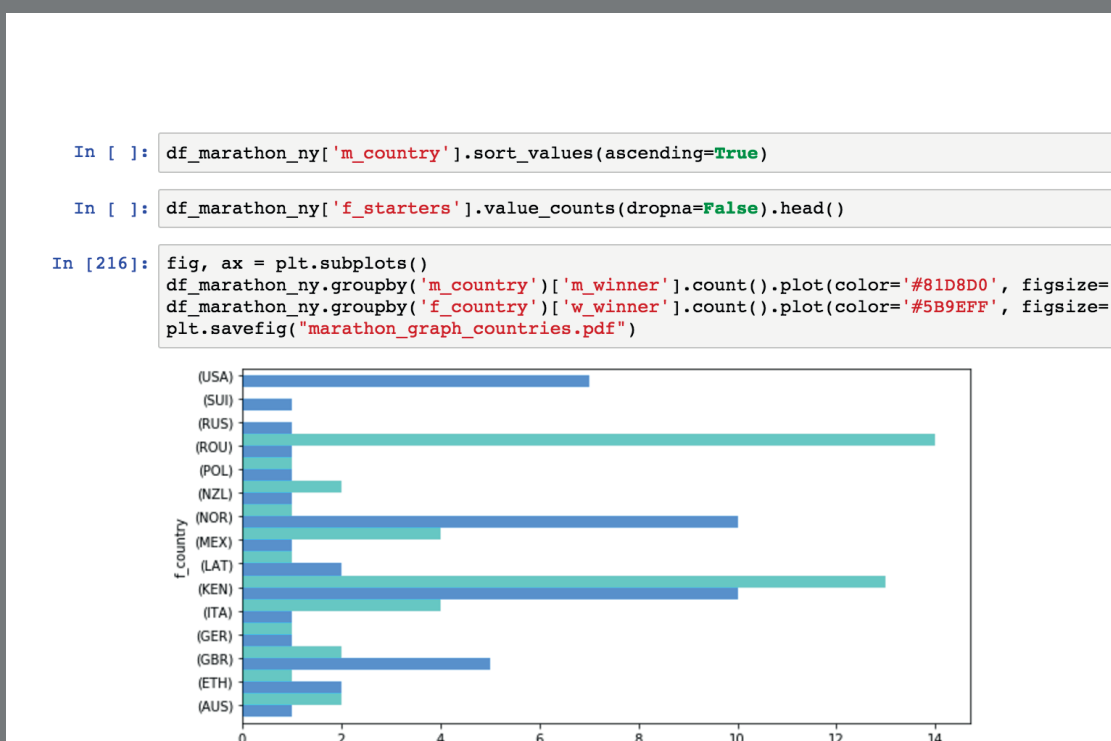
```
In [6]: df_marathon_ny = pd.read_excel("NY_Marathon_clean.xlsx")
df_marathon_ny
```

```
In [207]: import matplotlib.pyplot as plt

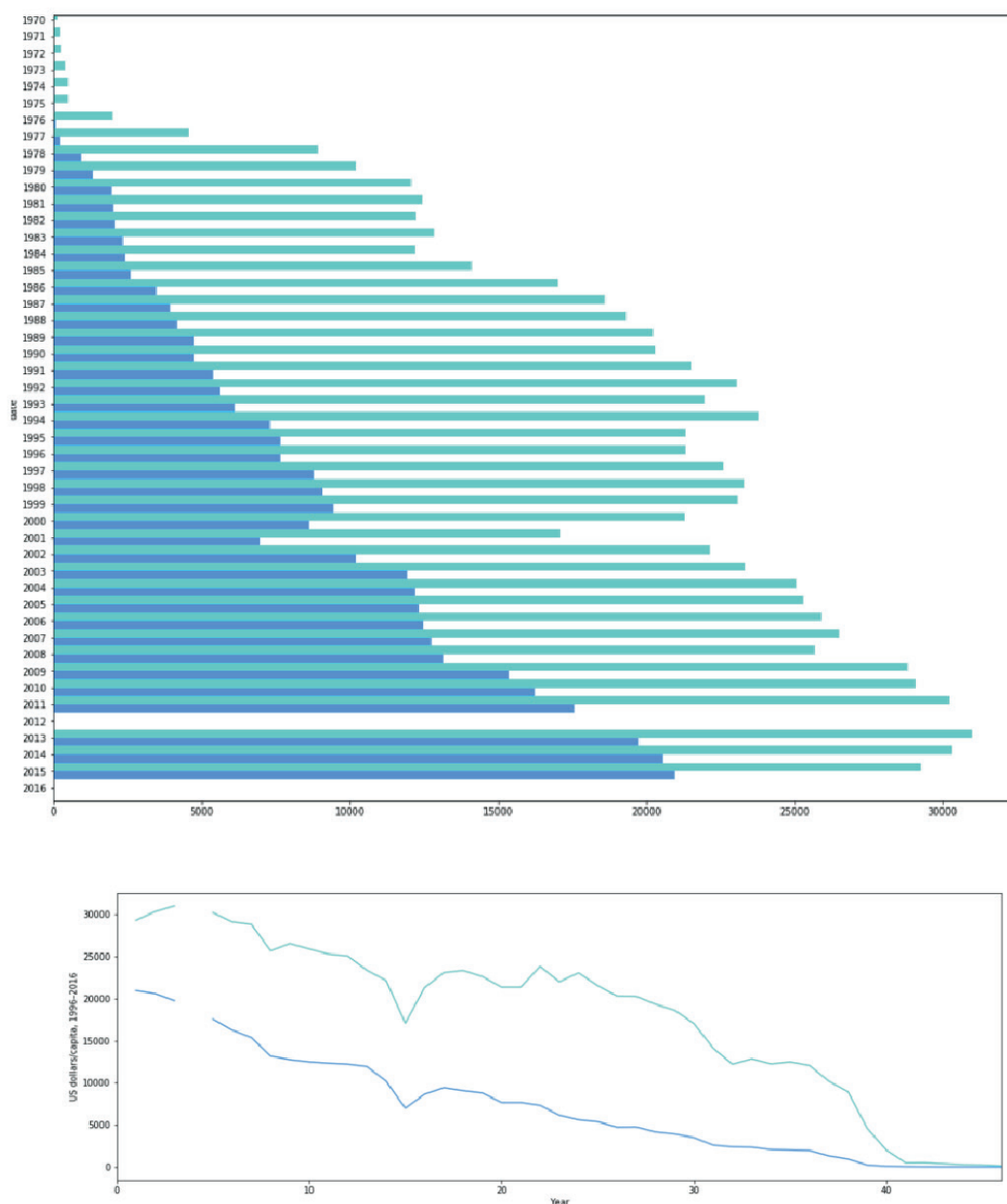
fig, ax = plt.subplots()

df_marathon_ry['m_starters'].plot(color='#1D8D00', ax=ax, position=0, kind='bar', figsize=(18,6), label='men starter')
df_marathon_ry['f_starters'].plot(color='#599FFF', ax=ax, position=1, kind='bar', figsize=(18,6), label='women starter')
plt.ylabel('US dollars/aspirta, 1996-2016', fontsize=10)
plt.xlabel('Year', fontsize=10)

plt.savefig('marathon_graph_2.pdf')
```



Country	Number of Cases
(USA)	7
(RUS)	1 </td
(ROU)	14
(POL)	2
(NZL)	1
(NOR)	10
(MEX)	4
(LAT)	2
(KEN)	13
(ITA)	4
(GER)	1
(GBR)	2
(ETH)	5
(AUS)	2

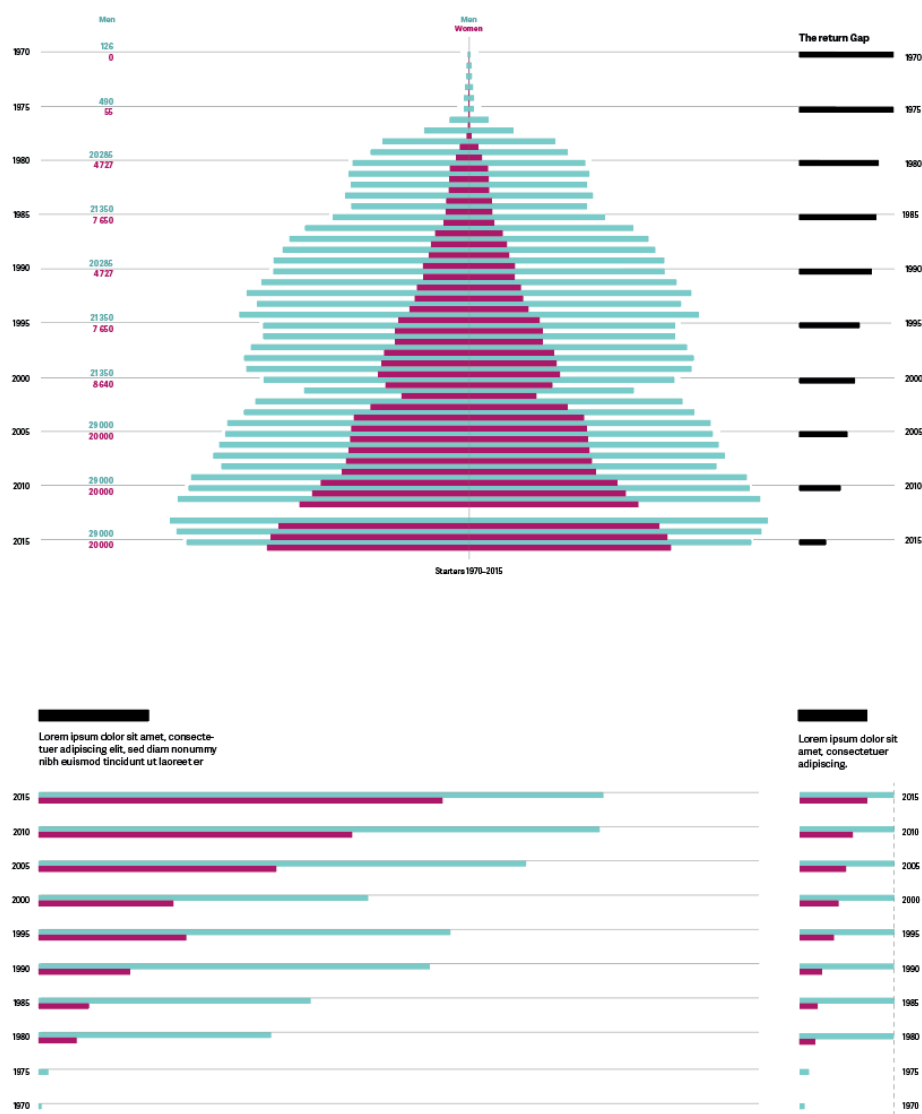


2016 → 2:07:51 2016 → 2:24:26
 2010 → 2:08:44 2010 → 2:28:20
 2000 → 2:10:09 2000 → 2:28:45
 1990 → 2:12:33 1990 → 2:30:45
 1980 → 2:09:41 1980 → 2:25:42
 1970 → 2:31:39

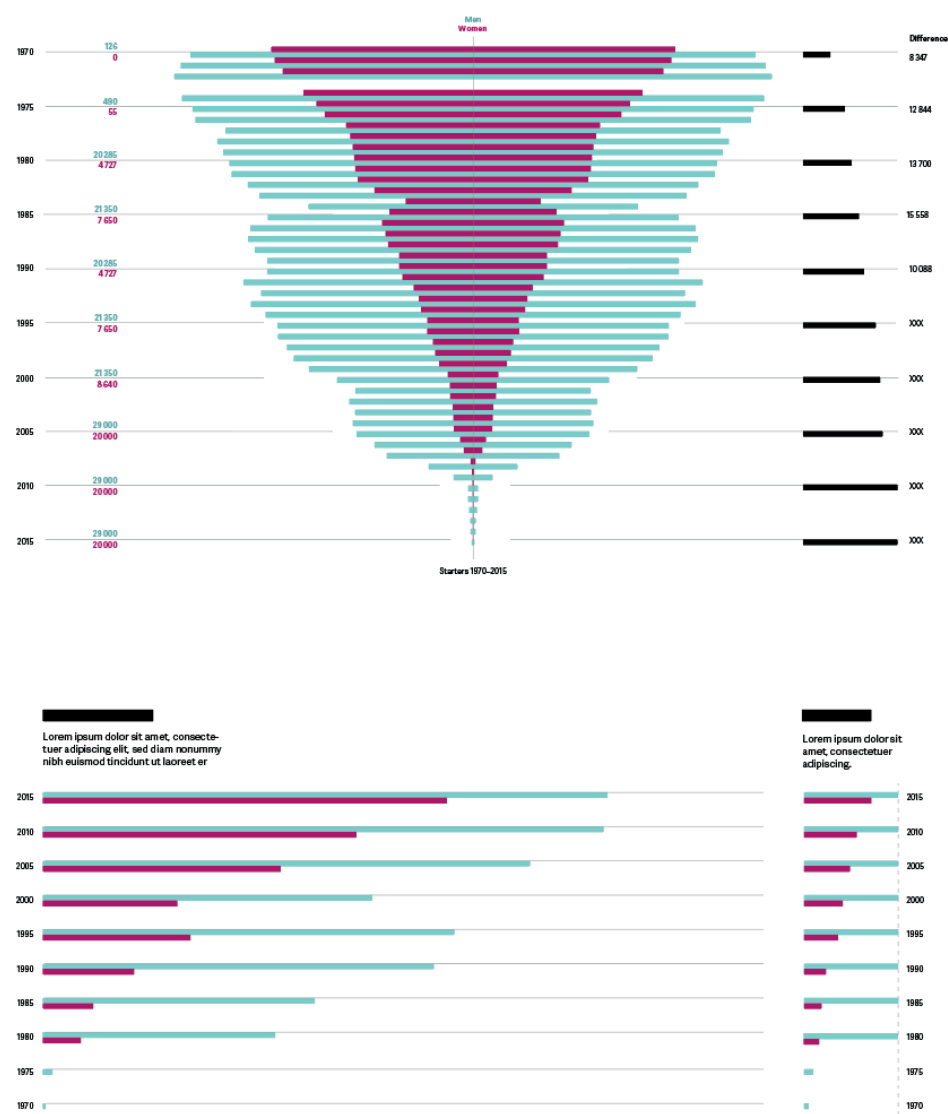
16:00 | 16:00 | 18:00 | 15.5 | 20.0 | 16:35 } the difference

$0 \rightarrow 2016 \rightarrow 29'291$	$20'944$	$9'347$
$2010 \rightarrow 29'097$	$16'253$	$8'844$
$2000 \rightarrow 21'350$	$7'650$	$13'700$
$1990 \rightarrow 20'285$	$4'727$	$15'558$
$1980 \rightarrow 12'050$	$1'962$	$10'088$
$1970 \rightarrow 126$	0	126
		the gap

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A pie chart with a single black slice representing 1% of the total.

1986

1996

2015

1900 1910 1920 1940 1950 1960 1970 1980 1990 2000 2010

Boston

New York

