

```
In [8]: import pandas as pd

In [9]: data = pd.read_csv("TWO_CENTURIES_OF_IM_RACES.csv")

C:\Users\Manisha\AppData\Local\Temp\ipykernel_18804\1957940255.py:1: DtypeWarning: Columns (11) have mixed types. Specify dtype option on import or set low_memory=False.
  data = pd.read_csv("TWO_CENTURIES_OF_IM_RACES.csv")

In [10]: # Show 10 rows

In [11]: data.head(10)

Out[11]:
   Year of event  Event dates  Event name  Event distance/length  Event number of finishers  Athlete performance  Athlete club  Athlete country  Athlete year of birth  Athlete gender  Athlete age category  Athlete average speed  Athlete ID
0      2018      06.01.2018      Selva Costera (CHI)           50km                22      4:51:39 h              Trnrc              CHI              1978.0              M              M35              10.286              0
1      2018      06.01.2018      Selva Costera (CHI)           50km                22      5:15:45 h              Roberto Echeverria              CHI              1981.0              M              M35              9.501              1
2      2018      06.01.2018      Selva Costera (CHI)           50km                22      5:16:44 h              Puro Trail Osorno              CHI              1987.0              M              M23              9.472              2
3      2018      06.01.2018      Selva Costera (CHI)           50km                22      5:34:13 h              Columbia              ARG              1976.0              M              M40              8.976              3
4      2018      06.01.2018      Selva Costera (CHI)           50km                22      5:54:14 h              Baguales Trail              CHI              1992.0              M              M23              8.469              4
5      2018      06.01.2018      Selva Costera (CHI)           50km                22      6:25:01 h              NaN              ARG              1974.0              M              M40              7.792              5
6      2018      06.01.2018      Selva Costera (CHI)           50km                22      6:28:00 h              Los Patagones              ARG              1979.0              F              W35              7.732              6
7      2018      06.01.2018      Selva Costera (CHI)           50km                22      6:32:24 h              Reaktivs Chile              CHI              1967.0              F              W50              7.645              7
8      2018      06.01.2018      Selva Costera (CHI)           50km                22      6:39:08 h              Puro Trail Osorno              CHI              1985.0              M              M23              7.516              8
9      2018      06.01.2018      Selva Costera (CHI)           50km                22      6:45:11 h              Mariene Flores Team              CHI              1976.0              M              M40              7.404              9

In [12]: data.shape

Out[12]: (7461195, 13)

In [13]: data.dtypes

Out[13]:
Year of event      int64
Event dates       object
Event name        object
Event distance/length  object
Event number of finishers  int64
Athlete performance  object
Athlete club       object
Athlete country    object
Athlete year of birth  float64
Athlete gender     object
Athlete age category  object
Athlete average speed  object
Athlete ID        int64
dtype: object

In [14]: # show 60km event distance

In [15]: data[data["Event distance/length"]=="60km"]

Out[15]:
   Year of event  Event dates  Event name  Event distance/length  Event number of finishers  Athlete performance  Athlete club  Athlete country  Athlete year of birth  Athlete gender  Athlete age category  Athlete average speed  Athlete ID
1868      2018      23.03.2018  Urban-Ultra Mt. Sana 60 (UAE)           60km                24      7:01:49 h              NaN              UAE              1972.0              M              M45              8.535              1754
1869      2018      23.03.2018  Urban-Ultra Mt. Sana 60 (UAE)           60km                24      7:10:09 h              NaN              FRA              1985.0              F              W23              8.369              1755
1870      2018      23.03.2018  Urban-Ultra Mt. Sana 60 (UAE)           60km                24      7:39:41 h              NaN              GBR              1971.0              M              M45              7.831              1756
1871      2018      23.03.2018  Urban-Ultra Mt. Sana 60 (UAE)           60km                24      8:21:36 h              NaN              GBR              1978.0              F              W35              7.177              1757
1872      2018      23.03.2018  Urban-Ultra Mt. Sana 60 (UAE)           60km                24      8:36:08 h              NaN              UAE              1985.0              M              M23              6.975              1758
...
...
...
7461030      1995      08.01.1995      Bogging to Hotham (AUS)           60km                11      9:51:28 h              NaN              AUS              1958.0              M              M35              6087.0              1062126
7461031      1995      08.01.1995      Bogging to Hotham (AUS)           60km                11      9:51:28 h              NaN              AUS              1945.0              M              M45              6087.0              1046173
7461032      1995      08.01.1995      Bogging to Hotham (AUS)           60km                11      9:51:28 h              NaN              AUS              1955.0              M              M35              6087.0              1046178
7461033      1995      08.01.1995      Bogging to Hotham (AUS)           60km                11      9:51:28 h              NaN              AUS              1965.0              M              M23              6087.0              1044691
7461034      1995      08.01.1995      Bogging to Hotham (AUS)           60km                11      10:24:13 h              NaN              AUS              1930.0              M              M60              5767.0              1070120

159494 rows x 13 columns

In [16]: # show female athletes who runned for 60 km

In [17]: data[data["Event distance/length"]=="60km" & (data["Athlete gender"]=="F")]

Out[17]:
   Year of event  Event dates  Event name  Event distance/length  Event number of finishers  Athlete performance  Athlete club  Athlete country  Athlete year of birth  Athlete gender  Athlete age category  Athlete average speed  Athlete ID
1869      2018      23.03.2018  Urban-Ultra Mt. Sana 60 (UAE)           60km                24      7:10:09 h              NaN              FRA              1985.0              F              W23              8.369              1755
1871      2018      23.03.2018  Urban-Ultra Mt. Sana 60 (UAE)           60km                24      8:21:36 h              NaN              GBR              1978.0              F              W35              7.177              1757
1875      2018      23.03.2018  Urban-Ultra Mt. Sana 60 (UAE)           60km                24      9:31:32 h              NaN              USA              1974.0              F              W40              6.299              1761
1879      2018      23.03.2018  Urban-Ultra Mt. Sana 60 (UAE)           60km                24      9:56:47 h              NaN              GBR              1990.0              F              W23              6.032              1765
1881      2018      23.03.2018  Urban-Ultra Mt. Sana 60 (UAE)           60km                24      10:22:30 h              NaN              USA              1981.0              F              W35              5.783              1767
...
...
...
7460335      1995      25.02.1995      Knickerbocker 60K (USA)           60km                43      6:32:17 h              *New York, NY              USA              1954.0              F              W40              9177.0              1050214
7460336      1995      25.02.1995      Knickerbocker 60K (USA)           60km                43      6:42:31 h              *Bronx, NY              USA              1969.0              F              W23              8944.0              1641118
7460337      1995      25.02.1995      Knickerbocker 60K (USA)           60km                43      6:42:55 h              *New York, NY              USA              1967.0              F              W23              8935.0              1050222
7460343      1995      25.02.1995      Knickerbocker 60K (USA)           60km                43      8:08:33 h              RR              USA              1945.0              F              W45              7369.0              1641119
7461027      1995      08.01.1995      Bogging to Hotham (AUS)           60km                11      8:29:38 h              NaN              AUS              1965.0              F              W23              7064.0              1044891

31505 rows x 13 columns

In [18]: # Show event name for NYRR Knickerbocker 60K (USA)

In [19]: data[data["Event name"]=="NYRR Knickerbocker 60K (USA)"]

Out[19]:
   Year of event  Event dates  Event name  Event distance/length  Event number of finishers  Athlete performance  Athlete club  Athlete country  Athlete year of birth  Athlete gender  Athlete age category  Athlete average speed  Athlete ID
624622      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:24:36 h              NaN              PAR              1970.0              M              M45              13.605              359326
624623      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:26:17 h              *New York, NY              USA              1984.0              M              M23              13.519              359327
624624      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:37:47 h              *Scotch Plains, NJ              USA              1983.0              M              M23              12.96              46880
624625      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:40:20 h              *New York, NY              USA              1991.0              M              M23              12.842              359328
624626      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:44:39 h              *Brooklyn, NY              USA              1982.0              M              M35              12.647              359329
...
...
...
7460339      1995      25.02.1995      Knickerbocker 60K (USA)           60km                43      7:02:23 h              *New York, NY              USA              1935.0              M              M55              8523.0              1050218
7460340      1995      25.02.1995      Knickerbocker 60K (USA)           60km                43      7:10:44 h              *CT              USA              1951.0              M              M40              8358.0              1194267
7460341      1995      25.02.1995      Knickerbocker 60K (USA)           60km                43      7:22:41 h              PPTC              USA              1943.0              M              M50              8132.0              1045034
7460342      1995      25.02.1995      Knickerbocker 60K (USA)           60km                43      8:02:47 h              APS              USA              1916.0              M              M75              7457.0              1009921
7460343      1995      25.02.1995      Knickerbocker 60K (USA)           60km                43      8:08:33 h              RR              USA              1945.0              F              W45              7369.0              1641119

4936 rows x 13 columns

In [20]: # describe the data

In [21]: data[data["Event name"]=="NYRR Knickerbocker 60K (USA)"].describe()

Out[21]:
   Year of event  Event number of finishers  Athlete year of birth  Athlete ID
count  4936.000000              4936.000000      4930.000000      4.936000e+03
mean    2009.251621              243.480956      1969.149493      7.336843e+05
std      8.411665              123.322610      14.263588      4.907309e+01
min    1980.000000              23.000000      1916.000000      8.600000e-01
25%    2006.000000              98.000000      1959.250000      3.593718e+05
50%    2012.000000              297.000000      1971.000000      6.381625e+05
75%    2016.000000              358.000000      1980.000000      1.196144e+06
max    2019.000000              375.000000      1999.000000      1.641119e+06

In [22]: data[data["Event name"]=="NYRR Knickerbocker 60K (USA)"]["Event name"].str.split("(").str.get(1).str.split(")")

Out[22]:
624622      [USA]
624623      [USA]
624624      [USA]
624625      [USA]
624626      [USA]
7460339      [USA]
7460340      [USA]
7460341      [USA]
7460342      [USA]
7460343      [USA]
Name: Event name, Length: 4936, dtype: object

In [23]: data[data["Event name"]=="NYRR Knickerbocker 60K (USA)" & (data["Year of event"]== 2018)]

Out[23]:
   Year of event  Event dates  Event name  Event distance/length  Event number of finishers  Athlete performance  Athlete club  Athlete country  Athlete year of birth  Athlete gender  Athlete age category  Athlete average speed  Athlete ID
624622      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:24:36 h              NaN              PAR              1970.0              M              M45              13.605              359326
624623      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:26:17 h              *New York, NY              USA              1984.0              M              M23              13.519              359327
624624      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:37:47 h              *Scotch Plains, NJ              USA              1983.0              M              M23              12.96              46880
624625      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:40:20 h              *New York, NY              USA              1991.0              M              M23              12.842              359328
624626      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:44:39 h              *Brooklyn, NY              USA              1982.0              M              M35              12.647              359329
...
...
...
624977      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      9:52:01 h              *Metuchen, NJ              USA              1976.0              F              W40              6.081              359576
624978      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      9:52:03 h              *Ozone Park, NY              USA              1969.0              F              W45              6.081              359577
624979      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      10:06:56 h              NaN              IND              1984.0              F              W23              5.931              359578
624980      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      10:07:08 h              *New York, NY              USA              1960.0              M              M55              5.93              359579
624981      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      10:26:58 h              *New York, NY              USA              1942.0              F              W75              5.742              359580

360 rows x 13 columns

In [24]: # Combine all filters together

In [25]: df = data[(data["Event name"]=="NYRR Knickerbocker 60K (USA)" & (data["Year of event"]== 2018)]

In [26]: df.head(5)

Out[26]:
   Year of event  Event dates  Event name  Event distance/length  Event number of finishers  Athlete performance  Athlete club  Athlete country  Athlete year of birth  Athlete gender  Athlete age category  Athlete average speed  Athlete ID
624622      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:24:36 h              NaN              PAR              1970.0              M              M45              13.605              359326
624623      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:26:17 h              *New York, NY              USA              1984.0              M              M23              13.519              359327
624624      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:37:47 h              *Scotch Plains, NJ              USA              1983.0              M              M23              12.96              46880
624625      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:40:20 h              *New York, NY              USA              1991.0              M              M23              12.842              359328
624626      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      4:44:39 h              *Brooklyn, NY              USA              1982.0              M              M35              12.647              359329
...
...
...
624977      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      9:52:01 h              *Metuchen, NJ              USA              1976.0              F              W40              6.081              359576
624978      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      9:52:03 h              *Ozone Park, NY              USA              1969.0              F              W45              6.081              359577
624979      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      10:06:56 h              NaN              IND              1984.0              F              W23              5.931              359578
624980      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      10:07:08 h              *New York, NY              USA              1960.0              M              M55              5.93              359579
624981      2018      17.11.2018      NYRR Knickerbocker 60K (USA)           60km                360      10:26:58 h              *New York, NY              USA              1942.0              F              W75              5.742              359580

360 rows x 13 columns

In [27]: df.shape

Out[27]: (360, 13)

In [28]: # remove USA from event name

In [29]: df["Event name"].str.split("(").str.get(0)

Out[29]:
624622      NYRR Knickerbocker 60K
624623      NYRR Knickerbocker 60K
624624      NYRR Knickerbocker 60K
624625      NYRR Knickerbocker 60K
624626      NYRR Knickerbocker 60K
624977      NYRR Knickerbocker 60K
624978      NYRR Knickerbocker 60K
624979      NYRR Knickerbocker 60K
624980      NYRR Knickerbocker 60K
624981      NYRR Knickerbocker 60K
Name: Event name, Length: 360, dtype: object

In [30]: df["Event name"] = df["Event name"].str.split("(").str.get(0)

C:\Users\Manisha\AppData\Local\Temp\ipykernel_18804\2314686612.py:1: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
df["Event name"] = df["Event name"].str.split("(").str.get(0)

In [31]: df.head(5)

Out[31]:
   Year of event  Event dates  Event name  Event distance/length  Event number of finishers  Athlete performance  Athlete club  Athlete country  Athlete year of birth  Athlete gender  Athlete age category  Athlete average speed  Athlete ID
624622      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:24:36 h              NaN              PAR              1970.0              M              M45              13.605              359326
624623      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:26:17 h              *New York, NY              USA              1984.0              M              M23              13.519              359327
624624      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:37:47 h              *Scotch Plains, NJ              USA              1983.0              M              M23              12.96              46880
624625      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:40:20 h              *New York, NY              USA              1991.0              M              M23              12.842              359328
624626      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:44:39 h              *Brooklyn, NY              USA              1982.0              M              M35              12.647              359329
...
...
...
624977      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      9:52:01 h              *Metuchen, NJ              USA              1976.0              F              W40              6.081              359576
624978      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      9:52:03 h              *Ozone Park, NY              USA              1969.0              F              W45              6.081              359577
624979      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      10:06:56 h              NaN              IND              1984.0              F              W23              5.931              359578
624980      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      10:07:08 h              *New York, NY              USA              1960.0              M              M55              5.93              359579
624981      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      10:26:58 h              *New York, NY              USA              1942.0              F              W75              5.742              359580

In [32]: # remove Athlete club, Athlete country, Athlete year of birth, Athlete gender, Athlete age category

In [33]: df = df.drop(["Athlete club", "Athlete country", "Athlete year of birth", "Athlete gender", "Athlete age category"], axis =1)

In [34]: df.head(5)

Out[34]:
   Year of event  Event dates  Event name  Event distance/length  Event number of finishers  Athlete performance  Athlete average speed  Athlete ID
624622      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:24:36 h              13.605              359326
624623      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:26:17 h              13.519              359327
624624      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:37:47 h              12.96              46880
624625      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:40:20 h              12.842              359328
624626      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:44:39 h              12.647              359329

In [35]: # check duplicate values

In [36]: df[df.duplicated()== True] # there is no duplicate values

Out[36]:
   Year of event  Event dates  Event name  Event distance/length  Event number of finishers  Athlete performance  Athlete average speed  Athlete ID

In [37]: # reset index

In [38]: df.reset_index(drop = True)

Out[38]:
   Year of event  Event dates  Event name  Event distance/length  Event number of finishers  Athlete performance  Athlete average speed  Athlete ID
0      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:24:36 h              13.605              359326
1      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:26:17 h              13.519              359327
2      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:37:47 h              12.96              46880
3      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:40:20 h              12.842              359328
4      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:44:39 h              12.647              359329
...
...
...
355      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      9:52:01 h              6.081              359576
356      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      9:52:03 h              6.081              359577
357      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      10:06:56 h              5.931              359578
358      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      10:07:08 h              5.93              359579
359      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      10:26:58 h              5.742              359580

360 rows x 8 columns

In [39]: df.dtypes

Out[39]:
Year of event      int64
Event dates       object
Event name        object
Event distance/length  object
Event number of finishers  int64
Athlete performance  object
Athlete average speed  object
Athlete ID        int64
dtype: object

In [40]: # change types

In [41]: df["Athlete ID"] = df["Athlete ID"].astype("float")

In [42]: df.dtypes

Out[42]:
Year of event      int64
Event dates       object
Event name        object
Event distance/length  object
Event number of finishers  int64
Athlete performance  object
Athlete average speed  object
Athlete ID        float64
dtype: object

In [43]: df.head(5)

Out[43]:
   Year of event  Event dates  Event name  Event distance/length  Event number of finishers  Athlete performance  Athlete average speed  Athlete ID
624622      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:24:36 h              13.605              359326.0
624623      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:26:17 h              13.519              359327.0
624624      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:37:47 h              12.96              46880.0
624625      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:40:20 h              12.842              359328.0
624626      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:44:39 h              12.647              359329.0

In [44]: # rename columns : Year of event, Event dates , Event name, Event number

In [45]: df=df.rename(columns={"Year of event": "Year event",
                              "Event Dates": "event dates",
                              "Event name": "event name",
                              "Event number of finishers": "event number of finish"})

In [46]: df.head(4)

Out[46]:
   Year event  Event dates  event name  Event distance/length  event number of finish  Athlete performance  Athlete average speed  Athlete ID
624622      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:24:36 h              13.605              359326.0
624623      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:26:17 h              13.519              359327.0
624624      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:37:47 h              12.96              46880.0
624625      2018      17.11.2018      NYRR Knickerbocker 60K           60km                360      4:40:20 h              12.842              359328.0

In [47]: # Reorder columns

In [53]: df=df[["Event dates", "Year event", "Event distance/length", "event name", "event number of finish", "Athlete ID", "Athlete average speed", "Athlete performance"]]

In [54]: df2.head(10)

Out[55]:
   Event dates  Year event  Event distance/length  event name  event number of finish  Athlete ID  Athlete average speed  Athlete performance
624622      17.11.2018      2018              60km      NYRR Knickerbocker 60K              360      359326.0              13.605              4:24:36 h
624623      17.11.2018      2018              60km      NYRR Knickerbocker 60K              360      359327.0              13.519              4:26:17 h
624624      17.11.2018      2018              60km      NYRR Knickerbocker 60K              360              46880.0              12.96              4:37:47 h
624625      17.11.2018      2018              60km      NYRR Knickerbocker 60K              360      359328.0              12.842              4:40:20 h
624626      17.11.2018      2018              60km      NYRR Knickerbocker 60K              360      359329.0              12.647              4:44:39 h
624627      17.11.2018      2018              60km      NYRR Knickerbocker 60K              360      359330.0              12.623              4:45:12 h
624628      17.11.2018      2018              60km      NYRR Knickerbocker 60K              360      40939.0              12.582              4:46:08 h
624629      17.11.2018      2018              60km      NYRR Knickerbocker 60K              360      359331.0              12.496              4:48:05 h
624630      17.11.2018      2018              60km      NYRR Knickerbocker 60K              360      298539.0              12.38              4:50:48 h
624631      17.11.2018      2018              60km      NYRR Knickerbocker 60K              360      29389.0              12.375              4:50:55 h

In [ ]: # show event name with year 2018 # 359329.0

In [58]: import seaborn as sns

In [ ]: # create and as graph

In [59]: sns.histplot(df[["Event distance/length"]])

Out[59]:
<AxesSubplot: xlabel='Event distance/length', ylabel='Count'>

In [63]: sns.histplot(df, x = "Event distance/length", y = "Year event")

Out[63]:
<seaborn.axisgrid.FacetGrid at 0x1a26f8b220>

In [66]: sns.diagplot(df, x = "Event distance/length", y = "Year event")

Out[66]:
<seaborn.axisgrid.FacetGrid at 0x1a26f8b220>

In [74]: df.plot(kind = "bar", x = "Event distance/length", y = "Year event")

Out[74]:
<AxesSubplot: xlabel='Event distance/length'>
```