# Day 37 021223

#### January 23, 2024

```
[3]: import numpy as np
     import pandas as pd
     !gdown 1s2TkjSpzNc4SyxqRrQleZyDIHlc7bxnd
     !gdown 1Ws- s1fHZ9nHfGLVUQurbHDvStePlEJm
     movies = pd.read_csv("movies.csv",index_col=0)
     directors = pd.read csv("directors.csv",index col=0)
     data = pd.merge(movies,directors,left_on="director_id",right_on='id',how='left')
     data.drop('id y',axis=1,inplace=True)
     data.rename({"id_x":"movies_id"},axis=1,inplace=True)
     data
    Downloading...
    From: https://drive.google.com/uc?id=1s2TkjSpzNc4SyxqRrQleZyDIHlc7bxnd
    To: C:\Data\Data_science\Data Science RIA\3 Python\Pandas\Codes\movies.csv
      0%1
                   | 0.00/112k [00:00<?, ?B/s]
    100%|######### 112k/112k [00:00<00:00, 1.60MB/s]
    Downloading...
    From: https://drive.google.com/uc?id=1Ws-_s1fHZ9nHfGLVUQurbHDvStePlEJm
    To: C:\Data\Data_science\Data Science RIA\3 Python\Pandas\Codes\directors.csv
      0%1
                   | 0.00/65.4k [00:00<?, ?B/s]
    100%|######### 65.4k/65.4k [00:00<00:00, 41.2MB/s]
[3]:
                         budget
                                 popularity
           movies_id
                                                revenue
               43597 237000000
                                             2787965087
                                        150
     1
               43598 300000000
                                        139
                                               961000000
     2
               43599 245000000
                                        107
                                               880674609
     3
                                        112 1084939099
               43600 250000000
     4
               43602 258000000
                                               890871626
                                        115
     1460
               48363
                              0
                                          3
                                                  321952
     1461
               48370
                          27000
                                         19
                                                 3151130
     1462
               48375
                              0
                                          7
                                                       0
     1463
                                                       0
               48376
                              0
                                          3
     1464
               48395
                         220000
                                         14
                                                 2040920
```

title vote\_average vote\_count \

0					Avatar 7	7.2	11800
1	Pirates of t	's End	5.9	4500			
2				S	pectre 6	3.3	4466
3			The D	ark Knight	Rises 7	7.6	9106
4				Spider		5.9	3576
					•••	•••	
1460				The Last	Waltz 7	7.9	64
1461					Clerks 7	7.4	755
1462				R	ampage 6	5.0	131
1463				S	lacker 6	5.4	77
1464				El Ma	riachi 6	5.6	238
	director_id	year	month	day	director_name	gender	
0	4762	2009	Dec	Thursday	James Cameror	n Male	
1	4763	2007	May	Saturday	Gore Verbinski	Male	
2	4764	2015	Oct	Monday	Sam Mendes	Male	
3	4765	2012	Jul	Monday	Christopher Nolar	n Male	
4	4767	2007	May	Tuesday	Sam Raimi	Male	
	•••	•••	•••				
1460	4809	1978	May	Monday	Martin Scorsese	e Male	
1461	5369	1994	Sep	Tuesday	Kevin Smith	n Male	
1462	5148	2009	Aug	Friday	Uwe Boll	Male	
1463	5535	1990	Jul	Friday	Richard Linklater	Male	
1464	5097	1992	Sep	Friday	Robert Rodriguez	z NaN	

[1465 rows x 13 columns]

# 1 Grouping in Pandas

:	movies_id	budget	popularity	revenue	title	\
director_name	_	Ü				
Adam McKay	6	6	6	6	6	
Adam Shankman	8	8	7	8	8	
Alejandro González Iñárritu	6	6	6	6	6	
Alex Proyas	5	5	5	5	5	
Alexander Payne	5	5	5	5	5	
	•••	•••		•••		
Wes Craven	10	7	9	10	10	
Wolfgang Petersen	7	7	7	7	7	
Woody Allen	18	9	13	10	18	
Zack Snyder	7	7	7	7	7	
Zhang Yimou	6	4	6	4	6	

vote\_average vote\_count director\_id year \

director_name					
Adam McKay	6	6		1	6
Adam Shankman	8	8		1	7
Alejandro González Iñárritu	6	6		1	6
Alex Proyas	5	5		1	5
Alexander Payne	3	5		1	5
	•••	•••			
 Wes Craven	<b></b> 9	 10	•••	1	9
	_		•••	1 1	9 7
Wes Craven	9			1 1 1	9 7 18
Wes Craven Wolfgang Petersen	9 6	10 7	•••	1 1 1 1	7

	month	day	gender
director_name			
Adam McKay	3	2	1
Adam Shankman	5	2	1
Alejandro González Iñárritu	5	3	1
Alex Proyas	4	3	1
Alexander Payne	4	2	0
•••		•••	
Wes Craven	6	5	1
Wolfgang Petersen	5	3	1
Woody Allen	9	6	1
Zack Snyder	4	4	1
Zhang Yimou	2	3	1

[199 rows x 12 columns]

# 2 Get how many groups are groupped

```
[5]: data.groupby('director_name').ngroups
```

[5]: 199

# 3 Displaying the groups

```
[6]: data.groupby('director_name').groups
```

[6]: {'Adam McKay': [176, 323, 366, 505, 839, 916], 'Adam Shankman': [265, 300, 350, 404, 458, 843, 999, 1231], 'Alejandro González Iñárritu': [106, 749, 1015, 1034, 1077, 1405], 'Alex Proyas': [95, 159, 514, 671, 873], 'Alexander Payne': [793, 1006, 1101, 1211, 1281], 'Andrew Adamson': [11, 43, 328, 501, 947], 'Andrew Niccol': [533, 603, 701, 722, 1439], 'Andrzej Bartkowiak': [349, 549, 754, 911, 924], 'Andy Fickman': [517, 681, 909, 926, 973, 1023], 'Andy Tennant': [314, 320, 464, 593, 676, 885], 'Ang Lee': [99, 134, 748, 840, 1089, 1110, 1132,

1184], 'Anne Fletcher': [610, 650, 736, 789, 1206], 'Antoine Fuqua': [310, 338, 424, 467, 576, 808, 818, 1105], 'Atom Egoyan': [946, 1128, 1164, 1194, 1347, 1416], 'Barry Levinson': [313, 319, 471, 594, 878, 898, 1013, 1037, 1082, 1143, 1185, 1345, 1378], 'Barry Sonnenfeld': [13, 48, 90, 205, 591, 778, 783], 'Ben Stiller': [209, 212, 547, 562, 850], 'Bill Condon': [102, 307, 902, 1233, 1381], 'Bobby Farrelly': [352, 356, 481, 498, 624, 630, 654, 806, 928, 972, 1111], 'Brad Anderson': [1163, 1197, 1350, 1419, 1430], 'Brett Ratner': [24, 39, 188, 207, 238, 292, 405, 456, 920], 'Brian De Palma': [228, 255, 318, 439, 747, 905, 919, 1088, 1232, 1261, 1317, 1354], 'Brian Helgeland': [512, 607, 623, 742, 933], 'Brian Levant': [418, 449, 568, 761, 860, 1003], 'Brian Robbins': [416, 441, 669, 962, 988, 1115], 'Bryan Singer': [6, 32, 33, 44, 122, 216, 297, 1326], 'Cameron Crowe': [335, 434, 488, 503, 513, 698], 'Catherine Hardwicke': [602, 695, 724, 937, 1406, 1412], 'Chris Columbus': [117, 167, 204, 218, 229, 509, 656, 897, 996, 1086, 1129], 'Chris Weitz': [17, 500, 794, 869, 1202, 1267], 'Christopher Nolan': [3, 45, 58, 59, 74, 565, 641, 1341], 'Chuck Russell': [177, 410, 657, 1069, 1097, 1339], 'Clint Eastwood': [369, 426, 447, 482, 490, 520, 530, 535, 645, 727, 731, 786, 787, 899, 974, 986, 1167, 1190, 1313], 'Curtis Hanson': [494, 579, 606, 711, 733, 1057, 1310], 'Danny Boyle': [527, 668, 1083, 1085, 1126, 1168, 1287, 1385], 'Darren Aronofsky': [113, 751, 1187, 1328, 1363, 1458], 'Darren Lynn Bousman': [1241, 1243, 1283, 1338, 1440], 'David Ayer': [50, 273, 741, 1024, 1146, 1407], 'David Cronenberg': [541, 767, 994, 1055, 1254, 1268, 1334], 'David Fincher': [62, 213, 253, 383, 398, 478, 522, 555, 618, 785], 'David Gordon Green': [543, 862, 884, 927, 1376, 1418, 1432, 1459], 'David Koepp': [443, 644, 735, 1041, 1209], 'David Lynch': [583, 1161, 1264, 1340, 1456], 'David O. Russell': [422, 556, 609, 896, 982, 989, 1229, 1304], 'David R. Ellis': [582, 634, 756, 888, 934], 'David Zucker': [569, 619, 965, 1052, 1175], 'Dennis Dugan': [217, 260, 267, 293, 303, 718, 780, 977, 1247], 'Donald Petrie': [427, 507, 570, 649, 858, 894, 1106, 1331], 'Doug Liman': [52, 148, 251, 399, 544, 1318, 1451], 'Edward Zwick': [92, 182, 346, 566, 791, 819, 825], 'F. Gary Gray': [308, 402, 491, 523, 697, 833, 1272, 1380], 'Francis Ford Coppola': [487, 559, 622, 646, 772, 1076, 1155, 1253, 1312], 'Francis Lawrence': [63, 72, 109, 120, 679], 'Frank Coraci': [157, 249, 275, 451, 577, 599, 963], 'Frank Oz': [193, 355, 473, 580, 712, 813, 987], 'Garry Marshall': [329, 496, 528, 571, 784, 893, 1029, 1169], 'Gary Fleder': [518, 667, 689, 867, 981, 1165], 'Gary Winick': [258, 797, 798, 804, 1454], 'Gavin O'Connor': [820, 841, 939, 953, 1444], 'George A. Romero': [250, 1066, 1096, 1278, 1367, 1396], 'George Clooney': [343, 450, 831, 966, 1302], 'George Miller': [78, 103, 233, 287, 1250, 1403, 1450], 'Gore Verbinski': [1, 8, 9, 107, 119, 633, 1040], 'Guillermo del Toro': [35, 252, 419, 486, 1118], 'Gus Van Sant': [595, 1018, 1027, 1159, 1240, 1311, 1398], 'Guy Ritchie': [124, 215, 312, 1093, 1225, 1269, 1420], 'Harold Ramis': [425, 431, 558, 586, 788, 1137, 1166, 1325], 'Ivan Reitman': [274, 643, 816, 883, 910, 935, 1134, 1242], 'James Cameron': [0, 19, 170, 173, 344, 1100, 1320], 'James Ivory': [1125, 1152, 1180, 1291, 1293, 1390, 1397], 'James Mangold': [140, 141, 557, 560, 829, 845, 958, 1145], 'James Wan': [30, 617, 1002, 1047, 1337, 1417, 1424], 'Jan de Bont': [155, 224, 231, 270, 781], 'Jason Friedberg': [812, 1010, 1012, 1014, 1036], 'Jason Reitman': [792, 1092, 1213, 1295, 1299], 'Jaume Collet-Serra': [516, 540, 640, 725, 1011, 1189], 'Jay Roach': [195, 359, 389,

397, 461, 703, 859, 1072], 'Jean-Pierre Jeunet': [423, 485, 605, 664, 765], 'Joe Dante': [284, 525, 638, 1226, 1298, 1428], 'Joe Wright': [85, 432, 553, 803, 814, 855], 'Joel Coen': [428, 670, 691, 707, 721, 889, 906, 980, 1157, 1238, 1305], 'Joel Schumacher': [128, 184, 348, 484, 572, 614, 652, 764, 876, 886, 1108, 1230, 1280], 'John Carpenter': [537, 663, 686, 861, 938, 1028, 1080, 1102, 1329, 1371], 'John Glen': [601, 642, 801, 847, 864], 'John Landis': [524, 868, 1276, 1384, 1435], 'John Madden': [457, 882, 1020, 1249, 1257], 'John McTiernan': [127, 214, 244, 351, 534, 563, 648, 782, 838, 1074], 'John Singleton': [294, 489, 732, 796, 1120, 1173, 1316], 'John Whitesell': [499, 632, 763, 1119, 1148], 'John Woo': [131, 142, 264, 371, 420, 675, 1182], 'Jon Favreau': [46, 54, 55, 382, 759, 1346], 'Jon M. Chu': [100, 225, 810, 1099, 1186], 'Jon Turteltaub': [64, 180, 372, 480, 760, 846, 1171], 'Jonathan Demme': [277, 493, 1000, 1123, 1215], 'Jonathan Liebesman': [81, 143, 339, 1117, 1301], 'Judd Apatow': [321, 710, 717, 865, 881], 'Justin Lin': [38, 123, 246, 1437, 1447], 'Kenneth Branagh': [80, 197, 421, 879, 1094, 1277, 1288], 'Kenny Ortega': [412, 852, 1228, 1315, 1365], 'Kevin Reynolds': [53, 502, 639, 1019, 1059], ...}

### 4 Accessing the grouped elements

```
[7]: data.groupby('director_name').get_group('James Cameron')
[7]:
           movies_id
                           budget
                                   popularity
                                                   revenue
                       237000000
     0
                43597
                                           150
                                                2787965087
     19
                43622
                       200000000
                                           100
                                                1845034188
     170
                43876
                       10000000
                                           101
                                                 52000000
     173
                43879
                       115000000
                                            38
                                                 378882411
     344
                44184
                        7000000
                                            24
                                                  90000098
                46000
     1100
                        18500000
                                            67
                                                 183316455
     1320
                47036
                         6400000
                                            74
                                                  78371200
                                                                      director_id
                                  title
                                         vote_average
                                                        vote_count
                                                                                    year
     0
                                                   7.2
                                                                             4762
                                                              11800
                                                                                    2009
                                 Avatar
     19
                                Titanic
                                                   7.5
                                                               7562
                                                                             4762
                                                                                   1997
     170
           Terminator 2: Judgment Day
                                                   7.7
                                                               4185
                                                                             4762
                                                                                    1991
     173
                              True Lies
                                                   6.8
                                                                             4762
                                                               1116
                                                                                    1994
     344
                              The Abyss
                                                   7.1
                                                                808
                                                                             4762
                                                                                    1989
     1100
                                 Aliens
                                                   7.7
                                                               3220
                                                                             4762
                                                                                    1986
     1320
                        The Terminator
                                                   7.3
                                                               4128
                                                                             4762
                                                                                    1984
                              director name gender
          month
                        day
     0
            Dec
                   Thursday
                              James Cameron
                                               Male
     19
            Nov
                    Tuesday
                              James Cameron
                                               Male
     170
             Jul
                     Monday
                              James Cameron
                                               Male
     173
             Jul
                   Thursday
                             James Cameron
                                               Male
                  Wednesday
     344
            Aug
                              James Cameron
                                               Male
     1100
             Jul
                     Friday
                             James Cameron
                                               Male
```

```
[8]: data.groupby('director_name')['title'].count().sort_values(ascending=False)
 [8]: director_name
      Steven Spielberg
                          26
      Clint Eastwood
                          19
      Martin Scorsese
                          19
      Woody Allen
                          18
      Robert Rodriguez
                          16
     Paul Weitz
                           5
      John Madden
                           5
      Paul Verhoeven
                           5
      John Whitesell
                           5
      Kevin Reynolds
                           5
      Name: title, Length: 199, dtype: int64
 [9]: data.groupby('director_name')['title'].value_counts()
 [9]: director_name
                     title
      Adam McKay
                     Anchorman 2: The Legend Continues
                                                                      1
                     Anchorman: The Legend of Ron Burgundy
                                                                      1
                     The Other Guys
                                                                      1
                     The Big Short
                     Talladega Nights: The Ballad of Ricky Bobby
      Zhang Yimou
                     Hero
                                                                      1
                     Curse of the Golden Flower
                                                                      1
                     Coming Home
                                                                      1
                     A Woman, a Gun and a Noodle Shop
                                                                      1
                     The Flowers of War
                                                                      1
      Name: count, Length: 1465, dtype: int64
[10]: data.groupby('director_name')['year'].aggregate(['min','max'])
[10]:
                                     min
                                           max
      director_name
      Adam McKay
                                    2004
                                          2015
      Adam Shankman
                                    2001
                                          2012
      Alejandro González Iñárritu
                                   2000
                                          2015
      Alex Proyas
                                    1994
                                          2016
      Alexander Payne
                                    1999
                                          2013
      Wes Craven
                                    1984
                                          2011
      Wolfgang Petersen
                                    1981
                                          2006
      Woody Allen
                                    1977
                                          2013
```

Male

1320

Oct

Friday James Cameron

Zack Snyder	2004	2016
Zhang Yimou	2002	2014

[199 rows x 2 columns]

## 5 Get me the list of High budget directors

• Atleast 1 movie with 1 Million Budget

```
Getting max budget of directors

[11]: data_dir_budget = data.groupby('director_name')['budget'].max().reset_index()
```

Names of directors who have more than 1 million budget movies

```
[12]: names = data_dir_budget.

$\text{\text{\text{oc}[data_dir_budget['budget']}} = 1000000000] ['director_name']}$
```

#### Checking whether names are present in data

```
[13]: data.loc[data['director_name'].isin(names)]
```

[13]:	movies_id	budget	popularity	revenue	\
0	43597	237000000	150	2787965087	
1	43598	300000000	139	961000000	
2	43599	245000000	107	880674609	
3	43600	250000000	112	1084939099	
4	43602	258000000	115	890871626	
•••	•••	•••	•••	•••	
1450	48267	400000	33	100000000	
1451	48268	200000	13	4505922	
1452	48274	0	5	2611555	
1458	48335	60000	27	3221152	
1460	48363	0	3	321952	

	title	vote_average	vote_count	\
0	Avatar	7.2	11800	
1	Pirates of the Caribbean: At World's End	6.9	4500	
2	Spectre	6.3	4466	
3	The Dark Knight Rises	7.6	9106	
4	Spider-Man 3	5.9	3576	
		•••	•••	
1450	Mad Max	6.6	1213	
1451	Swingers	6.8	253	
1452	Three	6.3	31	
1458	Pi	7.1	586	
1460	The Last Waltz	7.9	64	

director\_id year month day director\_name gender

```
0
                    4762
                         2009
                                  Dec
                                       Thursday
                                                      James Cameron
                                                                       Male
                          2007
                                       Saturday
                                                                       Male
      1
                    4763
                                  May
                                                     Gore Verbinski
      2
                    4764
                          2015
                                  Oct
                                         Monday
                                                         Sam Mendes
                                                                       Male
      3
                    4765
                          2012
                                  Jul
                                         Monday
                                                  Christopher Nolan
                                                                       Male
      4
                    4767
                          2007
                                        Tuesday
                                                          Sam Raimi
                                                                       Male
                                  May
      1450
                    4845
                          1979
                                       Thursday
                                                      George Miller
                                  Apr
                                                                       Male
      1451
                    4813
                          1996
                                  Oct
                                         Friday
                                                         Doug Liman
                                                                       Male
      1452
                          2010
                                       Thursday
                                                         Tom Tykwer
                    4936
                                  Dec
                                                                       Male
      1458
                    4881
                          1998
                                  Jul
                                         Friday
                                                   Darren Aronofsky
                                                                       Male
                                         Monday
      1460
                          1978
                                                    Martin Scorsese
                    4809
                                  May
                                                                       Male
      [679 rows x 13 columns]
[21]: def high_budget(data):
          return data['budget'].max() >= 100000000
      data.groupby('director_name').filter(high_budget)
            movies_id
                           budget
                                    popularity
                                                    revenue
```

#### [21]: 237000000 0 43597 150 2787965087 1 43598 30000000 139 961000000 2 107 43599 245000000 880674609 3 43600 250000000 112 1084939099 4 43602 258000000 115 890871626 1450 48267 400000 33 10000000 1451 48268 200000 13 4505922 1452 48274 5 2611555 0 1458 60000 27 48335 3221152 1460 48363 0 3 321952 title vote\_average vote\_count 0 Avatar 7.2 11800 1 Pirates of the Caribbean: At World's End 6.9 4500 2 Spectre 6.3 4466 3 The Dark Knight Rises 7.6 9106 4 3576 Spider-Man 3 5.9 1450 Mad Max 6.6 1213 1451 Swingers 6.8 253 1452 Three 6.3 31 1458 586 7.1 1460 The Last Waltz 7.9 64

director\_id year month

2009

Dec

4762

0

director\_name gender

Male

James Cameron

day

Thursday

1	4763	2007	May	Saturday	Gore Verbinski	Male
2	4764	2015	Oct	Monday	Sam Mendes	Male
3	4765	2012	Jul	Monday	Christopher Nolan	Male
4	4767	2007	May	Tuesday	Sam Raimi	Male
•••		•••	•••			
1450	4845	1979	Apr	Thursday	George Miller	Male
1451	4813	1996	Oct	Friday	Doug Liman	Male
1452	4936	2010	Dec	Thursday	Tom Tykwer	Male
1458	4881	1998	Jul	Friday	Darren Aronofsky	Male
1460	4809	1978	May	Monday	Martin Scorsese	Male

[679 rows x 13 columns]

# 6 Find out the Risky Movies

839

- Average Revenue of the Director 10, 20, 15, 20, 18 21M
- Risky 21M : 25M,30M, 18M, 10M, 50M

```
[30]: def is_risky(x):
    x['is_risky'] = (x['budget']-x['revenue'].mean())>= 0
    return x

data_risky = data.groupby('director_name').apply(is_risky)
```

```
[31]: data_risky.head()
```

[31]:			movies_id	budget	popularity	revenue	\	
	director_name							
	Adam McKay	176	43882	100000000	24	170432927		
		323	44151	72500000	12	162966177		
		366	44236	65000000	22	128107642		
		505	44503	50000000	38	173649015		
		839	45301	28000000	57	133346506		
						title	vote_average	\

director_name	Э		
Adam McKay	176	The Other Guys	6.1
	323	Talladega Nights: The Ballad of Ricky Bobby	6.2
	366	Step Brothers	6.5
	505	Anchorman 2: The Legend Continues	6.0

The Big Short

7.3

director_name	e	vote_count	director_id	year	month	day	\
Adam McKay	176	1383	4925	2010	Aug	Friday	
	323	491	4925	2006	Aug	Friday	
	366	1062	4925	2008	Jul	Friday	

	50 83		923 2607	4925 4925	2013 2015	Dec Dec		esday riday	
		directo	r_name gend	ler is_:	risky				
	director_name		_	_	·				
	Adam McKay 17	6 Adam	McKay Ma	ale :	False				
	32	.3 Adam	McKay Ma	le :	False				
	36	66 Adam	McKay Ma	ale :	False				
	50	5 Adam	McKay Ma	ale :	False				
	83	39 Adam	McKay Ma	le :	False				
[32]:	data_risky.loc[d	lata_risky	['is_risky	]==True	]				
[32]:			movies_id	budg	et po	pulari	ty	revenue \	
	director_name								
	Andrzej Bartkowi		44192	600000				55987321	
	Atom Egoyan	946	45538	250000			4	0	
		1194	46370	150000			26	8459458	
	<b>5 5</b> .	1347	47224	50000			7	3263585	
	Brett Ratner	24	43630	2100000	00		3 45	59359555	
		044	 45526	 250000			 7	0405400	
	Uwe Boll	944 1058	45536 45934	250000			7	2405420	
		1383	45834 47453	200000 35000			9 í 4	10442808 0	
	Wayne Wang	468	44419	550000				54906693	
	Zhang Yimou	192	43914	940000				95311434	
	2114116 1111104	102	10011	010000			\	30011101	
					ti	tle v	ote_a	verage \	
	director_name	-1- 240			Б			F 0	
	Andrzej Bartkowi		Uhar	e the T		oom		5.0	
	Atom Egoyan	946 1194	witer	e the L		loe		5.9 5.9	
		1347	The	Sweet 1				6.8	
	Brett Ratner	24		: The L				6.3	
		21	n noi	. IIIO 1		and	•••	0.0	
	Uwe Boll	944		В	 loodRa	vne		3.5	
		1058	I	lone in		•		3.1	
		1383	In the Name	of the	King	III		3.3	
	Wayne Wang	468		Maid in	_			5.6	
	Zhang Yimou	192	Th	ne Flowe	rs of	War		7.1	
			vote_count	direct	or_id	year	month	day	\
	director_name							-	
	Andrzej Bartkowi	ak 349	609		5061	2005	Oct	Thursday	
	Atom Egoyan	946	66		5599	2005	Oct	Friday	
		1194	498		5599	2009	Mar	Wednesday	
		1347	103		5599	1997	May	Wednesday	

Brett Ratner	24	3525	4786	2006	May	Wednesday
•••				•	•••	
Uwe Boll	944	118	5148	2005	Oct	Saturday
	1058	173	5148	2005	Jan	Friday
	1383	19	5148	2013	Dec	Friday
Wayne Wang	468	485	5162	2002	Dec	Friday
Zhang Yimou	192	187	4945	2011	Dec	Thursday
-						
		director_name	gender	is_	risky	
director_name						
Andrzej Bartkowiak	349	Andrzej Bartkowiak	Male		True	
Atom Egoyan	946	Atom Egoyan	Male		True	
	1194	Atom Egoyan	Male		True	
	1347	Atom Egoyan	Male		True	
Brett Ratner	24	Brett Ratner			True	
***		•••	<b></b>	•••		
Uwe Boll	944	Uwe Boll	Male		True	
	1058	Uwe Boll	Male		True	
	1383	Uwe Boll			True	
Wayne Wang	468	Wayne Wang			True	
Zhang Yimou	192	Zhang Yimou			True	
G v		. 0				
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[131 rows x 14 columns]

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