```
In [1]: import pandas as pd
        import numpy as np
```

```
In [2]: movies_tmdb = pd.read_csv('C:/Desktop/Classes/Data Science/Projects/tmdb_5000_movies.csv')
        credits_tmdb = pd.read_csv('C:/Desktop/Classes/Data Science/Projects/tmdb_5000_credits.csv')
```

```
In [3]: movies_tmdb.head(1)
```

	budget	genres	homepage	id	keywords	original_language	original_title	overview	popularity	production_comp
0	237000000	[{"id": 28, "name": "Action"}, {"id": 12, "name": "Adventure"}, {"id": 14, "name": "Fantasy"}, {"id": 878, "name": "Science Fiction"}]	http://www.avatarmovie.com/	19995	[{"id": 1463, "name": "culture clash"}, {"id": 2964, "name": "future"}, {"id": 179431, "name": "tribe"}, {"id": 36377, "name": "land development"}, {"id": 1321, "name": "conflict"}, {"id": 282464, "name": "planet"}, {"id": 290475, "name": "smuggler"}, {"id": 171746, "name": "commander"}, {"id": 83223, "name": "scientist"}, {"id": 187065, "name": "romance"}, {"id": 2101, "name": "alien"}, {"id": 10651, "name": "monkey"}, {"id": 818, "name": "based on novel"}, {"id": 14626, "name": "military"}, {"id": 207928, "name": "post apocalyptic"}, {"id": 157851, "name": "mercenary"}, {"id": 9951, "name": "waterfall"}, {"id": 1416, "name": "battle"}, {"id": 1418, "name": "sacrifice"}, {"id": 33455, "name": "virtual reality"}, {"id": 9748, "name": "spaceship"}, {"id": 1411, "name": "helicopter"}, {"id": 1420, "name": "dystopia"}, {"id": 1421, "name": "alien species"}, {"id": 1422, "name": "first contact"}, {"id": 1423, "name": "gunship"}, {"id": 1424, "name": "mercenary"}, {"id": 1425, "name": "pandora"}, {"id": 1426, "name": "blue skin"}, {"id": 1427, "name": "paraplegic"}, {"id": 1428, "name": "colonel"}, {"id": 1429, "name": "waterfall"}, {"id": 1430, "name": "pandorapedia"}, {"id": 1431, "name": "navi"}, {"id": 1432, "name": "unobtanium"}, {"id": 1433, "name": "pandoran"}, {"id": 1434, "name": "avatar"}, {"id": 1435, "name": "blockbuster"}, {"id": 1436, "name": "3d"}, {"id": 1437, "name": "based on trilogy"}, {"id": 1438, "name": "sequel"}, {"id": 1439, "name": "3d movie"}, {"id": 1440, "name": "sigourney weaver"}, {"id": 1441, "name": "stephen lang"}, {"id": 1442, "name": "michelle rodriguez"}, {"id": 1443, "name": "james cameron"}, {"id": 1444, "name": "dialog"}, {"id": 1445, "name": "pg-13"}, {"id": 1446, "name": "hd"}, {"id": 1447, "name": "soldier"}, {"id": 1448, "name": "amazon"}, {"id": 1449, "name": "explosion"}, {"id": 1450, "name": "digital"}, {"id": 1451, "name": "aftermath"}, {"id": 1452, "name": "alien race"}, {"id": 1453, "name": "futuristic"}, {"id": 1454, "name": "romance of a married man"}, {"id": 1455, "name": "exploitation of natives"}, {"id": 1456, "name": "sacred tree"}, {"id": 1457, "name": "anthropologist"}, {"id": 1458, "name": "extra terrestrial"}, {"id": 1459, "name": "nonlinear"}, {"id": 1460, "name": "spirituality"}]	en	Avatar	In the 22nd century, a paraplegic Marine is dispatched to the moon Pandora on a unique monitoring mission.	150.437577	[{"name": "Ingenious Film Partners",

```
In [4]: credits_head(1)
```

```
Out[4]: movie_id  title  cast  crew
        0   19995  Avatar  [{"cast_id": 242, "character": "Jake Sully", "...  [{"credit_id": "52fe48009251416c750ac9c1", "de...
```

```
In [5]: movies_tmdb.rename(inplace=True,
        columns={'id':'movie_id'})
```

```
In [6]: movies_head(1)
```

	budget	genres	homepage	movie_id	keywords	original_language	original_title	overview	popularity	production_comp
0	237000000	[{"id": 28, "name": "Action"}, {"id": 12, "name": "Adventure"}, {"id": 14, "name": "Fantasy"}, {"id": 878, "name": "Science Fiction"}]	http://www.avatarmovie.com/	19995	[{"id": 1463, "name": "culture clash"}, {"id": 2964, "name": "future"}, {"id": 179431, "name": "tribe"}, {"id": 36377, "name": "land development"}, {"id": 1321, "name": "conflict"}, {"id": 282464, "name": "planet"}, {"id": 290475, "name": "smuggler"}, {"id": 171746, "name": "commander"}, {"id": 83223, "name": "scientist"}, {"id": 187065, "name": "romance"}, {"id": 2101, "name": "alien"}, {"id": 10651, "name": "monkey"}, {"id": 818, "name": "based on novel"}, {"id": 14626, "name": "military"}, {"id": 207928, "name": "post apocalyptic"}, {"id": 157851, "name": "mercenary"}, {"id": 9951, "name": "waterfall"}, {"id": 1416, "name": "battle"}, {"id": 1418, "name": "sacrifice"}, {"id": 33455, "name": "virtual reality"}, {"id": 9748, "name": "spaceship"}, {"id": 1411, "name": "helicopter"}, {"id": 1420, "name": "dystopia"}, {"id": 1421, "name": "alien species"}, {"id": 1422, "name": "first contact"}, {"id": 1423, "name": "gunship"}, {"id": 1424, "name": "mercenary"}, {"id": 1425, "name": "pandora"}, {"id": 1426, "name": "blue skin"}, {"id": 1427, "name": "paraplegic"}, {"id": 1428, "name": "colonel"}, {"id": 1429, "name": "waterfall"}, {"id": 1430, "name": "pandorapedia"}, {"id": 1431, "name": "navi"}, {"id": 1432, "name": "unobtanium"}, {"id": 1433, "name": "pandoran"}, {"id": 1434, "name": "avatar"}, {"id": 1435, "name": "blockbuster"}, {"id": 1436, "name": "3d"}, {"id": 1437, "name": "based on trilogy"}, {"id": 1438, "name": "sequel"}, {"id": 1439, "name": "3d movie"}, {"id": 1440, "name": "sigourney weaver"}, {"id": 1441, "name": "stephen lang"}, {"id": 1442, "name": "michelle rodriguez"}, {"id": 1443, "name": "james cameron"}, {"id": 1444, "name": "dialog"}, {"id": 1445, "name": "pg-13"}, {"id": 1446, "name": "hd"}, {"id": 1447, "name": "soldier"}, {"id": 1448, "name": "amazon"}, {"id": 1449, "name": "explosion"}, {"id": 1450, "name": "digital"}, {"id": 1451, "name": "aftermath"}, {"id": 1452, "name": "alien race"}, {"id": 1453, "name": "futuristic"}, {"id": 1454, "name": "romance of a married man"}, {"id": 1455, "name": "exploitation of natives"}, {"id": 1456, "name": "sacred tree"}, {"id": 1457, "name": "anthropologist"}, {"id": 1458, "name": "extra terrestrial"}, {"id": 1459, "name": "nonlinear"}, {"id": 1460, "name": "spirituality"}]	en	Avatar	In the 22nd century, a paraplegic Marine is dispatched to the moon Pandora on a unique monitoring mission.	150.437577	[{"name": "Ingenious Film Partners",
1	300000000	[{"id": 12, "name": "Adventure"}, {"id": 14, "name": "Fantasy"}, {"id": 28, "name": "Action"}]	http://blogs.go.com/disneypictures/pirates/	285	[{"id": 270, "name": "ocean"}, {"id": 726, "name": "drug abuse"}, {"id": 911, "name": "exotic island"}]	en	Pirates of the Caribbean: At World's End	Captain Barbossa, long believed to be dead, has come back to life and is intent on capturing the Fountain of Youth and adding Jack Sparrow to his collection of souls. Not to be taken lightly, this villain has at his disposal the mysterious but powerful forces of the East India Trading Company and must be stopped at all costs by Jack, Elizabeth and Will.	139.082615	

```
In [7]: credits_head(1)
```

```
Out[7]: movie_id  title  cast  crew
        0   19995  Avatar  [{"cast_id": 242, "character": "Jake Sully", "...  [{"credit_id": "52fe48009251416c750ac9c1", "de...
```

2 rows × 23 columns

```
In [8]: # We now no longer need the columns which can help us in describing the movie in the context of the movie.
        movies_tmdb.drop(['homepage','original_title','original_language',
        'popularity','production_companies','production_countries','status','tagline'],
        inplace=True)
        movies_tmdb.drop(['movie_id','title','overview','genres','keywords','cast','crew'])
```

```
Out[8]: movie_id  title  overview  genres  keywords  cast  crew
```

	movie_id	title	overview	genres	keywords	cast	crew
0	19995	Avatar	In the 22nd century, a paraplegic Marine is dispatched to the moon Pandora on a unique monitoring mission.	[{"id": 28, "name": "Action"}, {"id": 12, "name": "Adventure"}, {"id": 14, "name": "Fantasy"}, {"id": 878, "name": "Science Fiction"}]	[{"id": 1463, "name": "culture clash"}, {"id": 2964, "name": "future"}, {"id": 179431, "name": "tribe"}, {"id": 36377, "name": "land development"}, {"id": 1321, "name": "conflict"}, {"id": 282464, "name": "planet"}, {"id": 290475, "name": "smuggler"}, {"id": 171746, "name": "commander"}, {"id": 83223, "name": "scientist"}, {"id": 187065, "name": "romance"}, {"id": 2101, "name": "alien"}, {"id": 10651, "name": "monkey"}, {"id": 818, "name": "based on novel"}, {"id": 14626, "name": "military"}, {"id": 207928, "name": "post apocalyptic"}, {"id": 157851, "name": "mercenary"}, {"id": 9951, "name": "waterfall"}, {"id": 1416, "name": "battle"}, {"id": 1418, "name": "sacrifice"}, {"id": 33455, "name": "virtual reality"}, {"id": 9748, "name": "spaceship"}, {"id": 1411, "name": "helicopter"}, {"id": 1420, "name": "dystopia"}, {"id": 1421, "name": "alien species"}, {"id": 1422, "name": "first contact"}, {"id": 1423, "name": "gunship"}, {"id": 1424, "name": "mercenary"}, {"id": 1425, "name": "pandora"}, {"id": 1426, "name": "blue skin"}, {"id": 1427, "name": "paraplegic"}, {"id": 1428, "name": "colonel"}, {"id": 1429, "name": "waterfall"}, {"id": 1430, "name": "pandorapedia"}, {"id": 1431, "name": "navi"}, {"id": 1432, "name": "unobtanium"}, {"id": 1433, "name": "pandoran"}, {"id": 1434, "name": "avatar"}, {"id": 1435, "name": "blockbuster"}, {"id": 1436, "name": "3d"}, {"id": 1437, "name": "based on trilogy"}, {"id": 1438, "name": "sequel"}, {"id": 1439, "name": "3d movie"}, {"id": 1440, "name": "sigourney weaver"}, {"id": 1441, "name": "stephen lang"}, {"id": 1442, "name": "michelle rodriguez"}, {"id": 1443, "name": "james cameron"}, {"id": 1444, "name": "dialog"}, {"id": 1445, "name": "pg-13"}, {"id": 1446, "name": "hd"}, {"id": 1447, "name": "soldier"}, {"id": 1448, "name": "amazon"}, {"id": 1449, "name": "explosion"}, {"id": 1450, "name": "digital"}, {"id": 1451, "name": "aftermath"}, {"id": 1452, "name": "alien race"}, {"id": 1453, "name": "futuristic"}, {"id": 1454, "name": "romance of a married man"}, {"id": 1455, "name": "exploitation of natives"}, {"id": 1456, "name": "sacred tree"}, {"id": 1457, "name": "anthropologist"}, {"id": 1458, "name": "extra terrestrial"}, {"id": 1459, "name": "nonlinear"}, {"id": 1460, "name": "spirituality"}]	[{"cast_id": 242, "character": "Jake Sully", "credit_id": "5602a8a7c3a3685a7b0b0b9c", "de...	[{"credit_id": "52fe48009251416c750ac9c1", "de...
1	285	Pirates of the Caribbean: At World's End	Captain Barbossa, long believed to be dead, has...	[{"id": 12, "name": "Adventure"}, {"id": 14, "name": "Fantasy"}, {"id": 28, "name": "Action"}]	[{"id": 270, "name": "ocean"}, {"id": 726, "name": "drug abuse"}, {"id": 911, "name": "exotic island"}]	[{"cast_id": 4, "character": "Captain Jack Sparrow", "credit_id": "52fe4232c3a368484a00b7f5", "de...	[{"credit_id": "52fe4232c3a368484a00b7bd", "de...

```
In [9]: movies_head(1)
```

```
Out[9]: movie_id  title  overview  genres  keywords  cast  crew
```

	movie_id	title	overview	genres	keywords	cast	crew
0	19995	Avatar	In the 22nd century, a paraplegic Marine is dispatched to the moon Pandora on a unique monitoring mission.	[{"id": 28, "name": "Action"}, {"id": 12, "name": "Adventure"}, {"id": 14, "name": "Fantasy"}, {"id": 878, "name": "Science Fiction"}]	[{"id": 1463, "name": "culture clash"}, {"id": 2964, "name": "future"}, {"id": 179431, "name": "tribe"}, {"id": 36377, "name": "land development"}, {"id": 1321, "name": "conflict"}, {"id": 282464, "name": "planet"}, {"id": 290475, "name": "smuggler"}, {"id": 171746, "name": "commander"}, {"id": 83223, "name": "scientist"}, {"id": 187065, "name": "romance"}, {"id": 2101, "name": "alien"}, {"id": 10651, "name": "monkey"}, {"id": 818, "name": "based on novel"}, {"id": 14626, "name": "military"}, {"id": 207928, "name": "post apocalyptic"}, {"id": 157851, "name": "mercenary"}, {"id": 9951, "name": "waterfall"}, {"id": 1416, "name": "battle"}, {"id": 1418, "name": "sacrifice"}, {"id": 33455, "name": "virtual reality"}, {"id": 9748, "name": "spaceship"}, {"id": 1411, "name": "helicopter"}, {"id": 1420, "name": "dystopia"}, {"id": 1421, "name": "alien species"}, {"id": 1422, "name": "first contact"}, {"id": 1423, "name": "gunship"}, {"id": 1424, "name": "mercenary"}, {"id": 1425, "name": "pandora"}, {"id": 1426, "name": "blue skin"}, {"id": 1427, "name": "paraplegic"}, {"id": 1428, "name": "colonel"}, {"id": 1429, "name": "waterfall"}, {"id": 1430, "name": "pandorapedia"}, {"id": 1431, "name": "navi"}, {"id": 1432, "name": "unobtanium"}, {"id": 1433, "name": "pandoran"}, {"id": 1434, "name": "avatar"}, {"id": 1435, "name": "blockbuster"}, {"id": 1436, "name": "3d"}, {"id": 1437, "name": "based on trilogy"}, {"id": 1438, "name": "sequel"}, {"id": 1439, "name": "3d movie"}, {"id": 1440, "name": "sigourney weaver"}, {"id": 1441, "name": "stephen lang"}, {"id": 1442, "name": "michelle rodriguez"}, {"id": 1443, "name": "james cameron"}, {"id": 1444, "name": "dialog"}, {"id": 1445, "name": "pg-13"}, {"id": 1446, "name": "hd"}, {"id": 1447, "name": "soldier"}, {"id": 1448, "name": "amazon"}, {"id": 1449, "name": "explosion"}, {"id": 1450, "name": "digital"}, {"id": 1451, "name": "aftermath"}, {"id": 1452, "name": "alien race"}, {"id": 1453, "name": "futuristic"}, {"id": 1454, "name": "romance of a married man"}, {"id": 1455, "name": "exploitation of natives"}, {"id": 1456, "name": "sacred tree"}, {"id": 1457, "name": "anthropologist"}, {"id": 1458, "name": "extra terrestrial"}, {"id": 1459, "name": "nonlinear"}, {"id": 1460, "name": "spirituality"}]	[{"cast_id": 242, "character": "Jake Sully", "credit_id": "5602a8a7c3a3685a7b0b0b9c", "de...	[{"credit_id": "52fe48009251416c750ac9c1", "de...

```
In [10]: movies_head(1).cast.values
```

```
Out[10]: array(['[{"cast_id": 242, "character": "Jake Sully", "credit_id": "5602a8a7c3a3685a7b0b0b9c", "de...
         dtype: object]
```

```
In [11]: import ast
         def convert(text):
             L = []
             for i in ast.literal_eval(text):
                 L.append(i['name'])
             return L
```

```
In [12]: movies_head(1).genres.apply(convert)
```

```
Out[12]: 0    [Action, Adventure, Fantasy, Science Fiction]
         dtype: object
```

```
In [13]: # Only taking top 3 cast into every movie
         movies_tmdb.drop(['movie_id','title','overview','genres','keywords','cast','crew'])
```

```
Out[13]: movie_id  title  overview  genres  keywords  cast  crew
```

	movie_id	title	overview	genres	keywords	cast	crew
0	19995	Avatar	In the 22nd century, a paraplegic Marine is dispatched to the moon Pandora on a unique monitoring mission.	[{"id": 28, "name": "Action"}, {"id": 12, "name": "Adventure"}, {"id": 14, "name": "Fantasy"}, {"id": 878, "name": "Science Fiction"}]	[{"id": 1463, "name": "culture clash"}, {"id": 2964, "name": "future"}, {"id": 179431, "name": "tribe"}, {"id": 36377, "name": "land development"}, {"id": 1321, "name": "conflict"}, {"id": 282464, "name": "planet"}, {"id": 290475, "name": "smuggler"}, {"id": 171746, "name": "commander"}, {"id": 83223, "name": "scientist"}, {"id": 187065, "name": "romance"}, {"id": 2101, "name": "alien"}, {"id": 10651, "name": "monkey"}, {"id": 818, "name": "based on novel"}, {"id": 14626, "name": "military"}, {"id": 207928, "name": "post apocalyptic"}, {"id": 157851, "name": "mercenary"}, {"id": 9951, "name": "waterfall"}, {"id": 1416, "name": "battle"}, {"id": 1418, "name": "sacrifice"}, {"id": 33455, "name": "virtual reality"}, {"id": 9748, "name": "spaceship"}, {"id": 1411, "name": "helicopter"}, {"id": 1420, "name": "dystopia"}, {"id": 1421, "name": "alien species"}, {"id": 1422, "name": "first contact"}, {"id": 1423, "name": "gunship"}, {"id": 1424, "name": "mercenary"}, {"id": 1425, "name": "pandora"}, {"id": 1426, "name": "blue skin"}, {"id": 1427, "name": "paraplegic"}, {"id": 1428, "name": "colonel"}, {"id": 1429, "name": "waterfall"}, {"id": 1430, "name": "pandorapedia"}, {"id": 1431, "name": "navi"}, {"id": 1432, "name": "unobtanium"}, {"id": 1433, "name": "pandoran"}, {"id": 1434, "name": "avatar"}, {"id": 1435, "name": "blockbuster"}, {"id": 1436, "name": "3d"}, {"id": 1437, "name": "based on trilogy"}, {"id": 1438, "name": "sequel"}, {"id": 1439, "name": "3d movie"}, {"id": 1440, "name": "sigourney weaver"}, {"id": 1441, "name": "stephen lang"}, {"id": 1442, "name": "michelle rodriguez"}, {"id": 1443, "name": "james cameron"}, {"id": 1444, "name": "dialog"}, {"id": 1445, "name": "pg-13"}, {"id": 1446, "name": "hd"}, {"id": 1447, "name": "soldier"}, {"id": 1448, "name": "amazon"}, {"id": 1449, "name": "explosion"}, {"id": 1450, "name": "digital"}, {"id": 1451, "name": "aftermath"}, {"id": 1452, "name": "alien race"}, {"id": 1453, "name": "futuristic"}, {"id": 1454, "name": "romance of a married man"}, {"id": 1455, "name": "exploitation of natives"}, {"id": 1456, "name": "sacred tree"}, {"id": 1457, "name": "anthropologist"}, {"id": 1458, "name": "extra terrestrial"}, {"id": 1459, "name": "nonlinear"}, {"id": 1460, "name": "spirituality"}]	[{"cast_id": 242, "character": "Jake Sully", "credit_id": "5602a8a7c3a3685a7b0b0b9c", "de...	[{"credit_id": "52fe48009251416c750ac9c1", "de...

```
In [14]: # Not use to check the director
         def fetch_director(text):
             L = []
             for i in ast.literal_eval(text):
                 if i['job'] == 'Director':
                     L.append(i['name'])
                 break
             return L
```

```
In [15]: movies_crew.crew.apply(fetch_director)
```

```
Out[15]: 0                [Stephen Gaghan]
         1                 [Gore Verbinski]
         2                 [Sam Mendes]
         3                 [Christopher Nolan]
         4                 [Andrew Stanton]
         5                 [Edward Burns]
         6                 [Scott Smith]
         7                 [Daniel Hsia]
         8                 [Brian Helgeland]
         9                 [Sion Sono, Bert Green, Mark Gill]
         10                [Bill Paxton]
         11                [Robert Rodriguez]
         12                [Jonas Pate]
         13                [Eric Red]
         14                [Joe Berlinger]
         15                [Brian Percival]
         16                [Joe Johnston]
         17                [Zack Snyder]
         18                [Jake Szymanski]
         19                [Joseph Kosinski]
         20                [Sean McNamara]
         21                [Jeff Wadlow]
         22                [Drew Barrymore]
         23                [Jake Kasdan]
         24                [James Burrows]
         25                [Walter Hill]
         26                [Dean Devlin]
         27                [Lesli Linka Glatter]
         28                [Mike Newell]
         29                [Duwayne Dunham]
         30                [Martin Campbell]
         31                [Brett Ratner]
         32                [Pierre Morel]
         33                [Andy Fickman]
         34                [Kevin Reynolds]
         35                [Stephen Herek]
         36                [Alan Taylor]
         37                [Terry Hughes]
         38                [Barry Sonnenfeld]
         39                [Jake Szymanski]
         40                [Clint Eastwood]
         41                [Elisabeth Shue]
         42                [Nicholas Hytner]
         43                [Crystal Moselle]
         44                [Fredrik Bond]
         45                [Robert Schwentke]
         46                [Yahya Abdul-Mateen II]
         47                [Joseph Gordon-Levitt]
         48                [Soderbergh, Peter]
         49                [Chuck Russell]
         50                [Walter Hill]
         51                [Foley, Jim]
         52                [Michael Polish]
         53                [Puenzo, Luis]
         54                [Harold Cronk]
         55                [Lesli Linka Glatter]
         56                [Terence Davies]
         57                [Hanson, Curtis]
         58                [Mark Pellington]
         59                [Pasquin, John]
         60                [Slamovich, Marc]
         61                [Uwe Boll]
         62                [Jonathan Levine]
         63                [Jamie Babbit]
         64                [Alex Gibney]
         65                [Eric Styles]
         66                [John Travolta]
         67                [Hector Babenco]
         68                [Robert Benton]
         69                [Romanek, Mark]
         70                [Jim Sheridan]
         71                [Mehdi Avazilla]
         72                [Mikael Salomon]
         73                [Richard Marquand]
         74                [Neil Burger]
         75                [Bruce Beresford]
         76                [Bob Clark]
         77                [Stuart Gordon]
         78                [Brian De Palma]
         79                [Walter Salles]
         80                [Jean-Pierre Jeunet]
         81                [Jesse Peretz]
         82                [Chris Columbus]
         83                [Crystal Moselle]
         84                [Fisher Stevens]
         85                [Schumacher, Joel]
         86                [Romanek, Mark]
         87                [Bruce McDonald]
         88                [Walter Salles]
         89                [Hy Averback]
         90                [Martha Coolidge]
         91                [Frank Coraci]
         92                [Jessy Terrero]
         93                [Frank Coraci]
         94                [Bruce McCulloch]
         95                [Murray Martin]
         96                [Tommy Wirkola]
         97                [Screen Australia]
         98                [Yimou Zhang]
         99                [Juan José Campanella]
         100               [Robert Luketic]
         101               [Jeremy Podeswa]
         102               [Matthew Chemet]
         103               [Denis Villeneuve]
         104               [Ridley Scott]
         105               [Tony Scott]
         106               [Hans Petter Moland]
         107               [Xavier Giannoli]
         108               [Jonas Elmer]
         109               [Jeremy Podeswa]
         110               [Eric Styles]
         111               [Clay Liford]
         112               [Ken Marino]
         113               [Spike Jonze]
         114               [Gregg Araki]
         115               [Production, Screen Australia]
         116               [Zeze Gamboa]
         117               [Jorge Sanjinés]
         118               [Ulu Grosbard]
         119               [Murali K Thalluri]
         120               [George Tillman, Jr.]
         121               [Soderbergh, Peter]
         122               [Hugh Wilson]
         123               [Zhang Yimou]
         124               [Nadia Tass]
         125               [Bruno Barreto]
         126               [Oliver Parker]
         127               [Wolfgang Petersen]
         128               [Robert Benton]
         129               [Douglas McGrath]
         130               [Jonas Pate]
         131               [Steven Zaillian]
         132               [Navin Bhatia]
         133               [Goran Olsson]
         134               [Lesli Linka Glatter]
         135               [Hal Hartley]
         136               [Pablo Larraín]
         137               [Andrew Bujalski]
         138               [Madonna]
         139               [Oliver Hirschbiegel]
         140               [Antonio Banderas]
         141               [Julie Taymor]
         142               [Gregor Jordan]
         143               [Indra Vermeulen]
         144               [Jonathan Glazer]
         145               [Charles Martin Smith]
         146               [Lisa Cholodenko]
         147               [Anthony Minghella]
         148               [Chan-wook Park]
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         152               [Ken Kwapis]
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         157               [Joseph Cedar]
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