## Практическая работа №6

#### Penalties Composure

Nationality				
Afghanistan	206	57.250000		
Albania	1346	59.413793		
Algeria	1925	64.486486		
Angola	572	59.500000		
Argentina	28573	57.491289		
Uruguay	4156	60.891566		
Uzbekistan	106	59.500000		
Venezuela	1836	57.083333		
Zambia	337	56.333333		
Zimbabwe	449	63.111111		

94 rows × 2 columns

```
In [6]:
          1 df['Composure'].describe()
Out[6]: count
                 12897.000000
                    55.942932
        mean
        std
                    11.280631
                    12.000000
        min
        25%
                    49.000000
        50%
                    56.000000
        75%
                    63.000000
                    96.000000
        Name: Composure, dtype: float64
```

## Практическая работа №7

#### задание А

#### задание В

```
In [101]:
            1 def concatinate(row):
                  f=list(row[2])
            2
                  s=list(row[3])
            3
            4
                  fst=str()
                  g=0
            5
            6
                  k=0
            7
                  for i in f:
                    if i != ' ' and g<5:
            8
            9
                          fst += i
           10
                          g+=1
                  for i in range(-5,len(s)):
           11
                      if s[i] != ' ' and k<5:
           12
           13
                          fst += str(s[i])
           14
                          k+=1
                  return fst
           15
           16
           17 conc = map(lambda x: concatinate(list(df.iloc[x])), range(len(df['parental level of education'])))
           18
           19 df['concatinate'] = list(conc)
           20 df
```

#### Out[101]:

	gender	race/ethnicity	parental level of education	lunch	test preparation course	math score	reading score	writing score	concatinate
0	female	group B	bachelor's degree	standard	none	72	72	74	bachendard
1	female	group C	some college	standard	completed	69	90	88	somecndard
2	female	group B	master's degree	standard	none	90	95	93	mastendard
3	male	group A	associate's degree	free/reduced	none	47	57	44	assocduced
4	male	group C	some college	standard	none	76	78	75	somecndard
995	female	group E	master's degree	standard	completed	88	99	95	mastendard
996	male	group C	high school	free/reduced	none	62	55	55	highsduced
997	female	group C	high school	free/reduced	completed	59	71	65	highsduced
998	female	group D	some college	standard	completed	68	78	77	somecndard
999	female	group D	some college	free/reduced	none	77	86	86	somecduced

1000 rows × 9 columns

# Практическая работа №8

### Задание

Самый убыточный фильм за период с 2012 по 2014 гг. (включительно)?

```
In [164]:
            1 df.info()
          <class 'pandas.core.frame.DataFrame'>
          RangeIndex: 1890 entries, 0 to 1889
          Data columns (total 16 columns):
           #
               Column
                                     Non-Null Count Dtype
           0
               imdb_id
                                     1890 non-null
                                                     object
                                     1890 non-null
           1
               popularity
                                                     float64
               budget
                                     1890 non-null
                                                     int64
           2
                                     1890 non-null
               revenue
                                                     int64
           3
                                                     object
           4
               original_title
                                     1890 non-null
           5
               cast
                                     1890 non-null
                                                     object
               director
                                     1890 non-null
                                                     object
           6
           7
               tagline
                                     1890 non-null
                                                     object
                                     1890 non-null
           8
               overview
                                                     object
                                     1890 non-null
           9
               runtime
                                                     int64
           10 genres
                                     1890 non-null
                                                     object
                                                     object
           11 production_companies 1890 non-null
                                     1890 non-null
                                                     object
           12 release_date
           13 vote_count
                                     1890 non-null
                                                     int64
           14 vote_average
                                     1890 non-null
                                                     float64
           15 release_year
                                     1890 non-null
                                                     int64
          dtypes: float64(2), int64(5), object(9)
          memory usage: 236.4+ KB
In [165]:
            1 df = df.loc[df['release_year'] <= 2014]</pre>
            2 | df = df.loc[df['release_year'] >= 2012]
            4 | df.loc[:,'cash'] = list(map(cost_cast, df['budget'], df['revenue']))
              b =min(df['cash'])
            6
            7
            8
            9 df['original_title'].loc[df['cash']==b]
Out[165]: 1246
                  The Lone Ranger
          Name: original_title, dtype: object
 In [ ]: 1
```