|  |
| --- |
| country continent year lifeExp pop gdpPercap  0 Afghanistan Asia 1952 28.801 8425333 779.445314  1 Afghanistan Asia 1957 30.332 9240934 820.853030  2 Afghanistan Asia 1962 31.997 10267083 853.100710  3 Afghanistan Asia 1967 34.020 11537966 836.197138  4 Afghanistan Asia 1972 36.088 13079460 739.981106 |

Index(['country', 'continent', 'year', 'lifeExp', 'pop', 'gdpPercap'], dtype='object')

RangeIndex(start=0, stop=1704, step=1)

|  |
| --- |
| array([['Afghanistan', 'Asia', 1952, 28.801, 8425333, 779.4453145],  ['Afghanistan', 'Asia', 1957, 30.331999999999997, 9240934,  820.8530296],  ['Afghanistan', 'Asia', 1962, 31.997, 10267083, 853.1007099999999],  ...,  ['Zimbabwe', 'Africa', 1997, 46.809, 11404948, 792.4499602999999],  ['Zimbabwe', 'Africa', 2002, 39.989000000000004, 11926563,  672.0386227000001],  ['Zimbabwe', 'Africa', 2007, 43.486999999999995, 12311143,  469.70929810000007]], dtype=object) |

(1704, 6)

|  |  |
| --- | --- |
| <class 'pandas.core.frame.DataFrame'>  RangeIndex: 1704 entries, 0 to 1703  Data columns (total 6 columns):  country 1704 non-null object  continent 1704 non-null object  year 1704 non-null int64  lifeExp 1704 non-null float64  pop 1704 non-null int64  gdpPercap 1704 non-null float64  dtypes: float64(2), int64(2), object(2)  memory usage: 66.6+ KB | |
| country continent year  0 Afghanistan Asia 1952  1 Afghanistan Asia 1957  2 Afghanistan Asia 1962  3 Afghanistan Asia 1967  4 Afghanistan Asia 1972 | | | |
| country continent year lifeExp pop gdpPercap  2 Afghanistan Asia 1962 31.997 10267083 853.100710  3 Afghanistan Asia 1967 34.020 11537966 836.197138 | | |

year pop Display row whose year is 1967 and population is greater than 1 million.

3 1967 11537966

15 1967 1984060

27 1967 12760499

39 1967 5247469

51 1967 22934225

|  |
| --- |
| max\_speed shield  cobra 1 2  viper 4 5  sidewinder 7 8 |

Index(['cobra', 'viper', 'sidewinder'], dtype='object')

Index(['max\_speed', 'shield'], dtype='object')

|  |  |
| --- | --- |
| array([[1, 2],  [4, 5],  [7, 8]], dtype=int64) | |
| <class 'pandas.core.frame.DataFrame'>  Index: 3 entries, cobra to sidewinder  Data columns (total 2 columns):  max\_speed 3 non-null int64  shield 3 non-null int64  dtypes: int64(2)  memory usage: 60.0+ bytes | | |
| max\_speed shield  viper 4 5  sidewinder 7 8 | | | |

1

|  |
| --- |
| Uses slice method:  max\_speed shield  viper 4 5  sidewinder 7 8 |

|  |  |  |
| --- | --- | --- |
| Use Conditional Boolean[Display row whose shield greater than 6]:  max\_speed shield  sidewinder 7 8 | | |
| Display max\_speed of row whose shield is greater than 6:  sidewinder 7  Name: max\_speed, dtype: int64 | | |
| Assign value as below:  max\_speed shield  cobra 1 2  viper 4 50  sidewinder 7 50 | | |

|  |  |  |
| --- | --- | --- |
| Assign value as below:  max\_speed shield  cobra 10 10  viper 4 50  sidewinder 7 50 | | |
| Assign value as below:  max\_speed shield  cobra 30 10  viper 30 50  sidewinder 30 50 | |
| Assign value 0 to row whose shield > 35:  max\_speed shield  cobra 30 10  viper 0 50  sidewinder 0 50 | | | |

|  |  |
| --- | --- |
| Create DataFrame:  max\_speed shield  cobra mark i 12 2  mark ii 0 4  sidewinder mark i 10 20  mark ii 1 4  viper mark i 7 1  mark ii 16 36 | |
| max\_speed shield  cobra mark ii 0 4  viper mark i 7 1 | |