


```
1 from google.colab import drive

1 drive.mount('/content/gdrive')

Mounted at /content/gdrive

1 import pandas as pd
2 df =pd.read_csv('/content/gdrive/MyDrive/school_scores.csv')

1 df
```



	Year	State.Code	State.Name	Total.Math	Total.Test-takers	Total.Verbal	Subjects.Arts/
0	2005	AL	Alabama	559	3985	567	
1	2005	AK	Alaska	519	3996	523	
2	2005	AZ	Arizona	530	18184	526	
3	2005	AR	Arkansas	552	1600	563	
4	2005	CA	California	522	186552	504	
...	
572	2015	VA	Virginia	517	59621	518	
573	2015	WA	Washington	511	44423	502	
574	2015	WV	West Virginia	500	2501	509	
575	2015	WI	Wisconsin	606	2277	591	
576	2015	WY	Wyoming	587	181	588	

577 rows × 99 columns

```
1 df.info()
```

72	Score	Ranges.Between	300	to	400.Verbal.Males	577	non-null	int64
73	Score	Ranges.Between	300	to	400.Verbal.Total	577	non-null	int64
74	Score	Ranges.Between	400	to	500.Math.Females	577	non-null	int64
75	Score	Ranges.Between	400	to	500.Math.Males	577	non-null	int64
76	Score	Ranges.Between	400	to	500.Math.Total	577	non-null	int64
77	Score	Ranges.Between	400	to	500.Verbal.Females	577	non-null	int64
78	Score	Ranges.Between	400	to	500.Verbal.Males	577	non-null	int64
79	Score	Ranges.Between	400	to	500.Verbal.Total	577	non-null	int64
80	Score	Ranges.Between	500	to	600.Math.Females	577	non-null	int64
81	Score	Ranges.Between	500	to	600.Math.Males	577	non-null	int64
82	Score	Ranges.Between	500	to	600.Math.Total	577	non-null	int64
83	Score	Ranges.Between	500	to	600.Verbal.Females	577	non-null	int64
84	Score	Ranges.Between	500	to	600.Verbal.Males	577	non-null	int64
85	Score	Ranges.Between	500	to	600.Verbal.Total	577	non-null	int64
86	Score	Ranges.Between	600	to	700.Math.Females	577	non-null	int64
87	Score	Ranges.Between	600	to	700.Math.Males	577	non-null	int64
88	Score	Ranges.Between	600	to	700.Math.Total	577	non-null	int64
89	Score	Ranges.Between	600	to	700.Verbal.Females	577	non-null	int64
90	Score	Ranges.Between	600	to	700.Verbal.Males	577	non-null	int64
91	Score	Ranges.Between	600	to	700.Verbal.Total	577	non-null	int64
92	Score	Ranges.Between	700	to	800.Math.Females	577	non-null	int64
93	Score	Ranges.Between	700	to	800.Math.Males	577	non-null	int64
94	Score	Ranges.Between	700	to	800.Math.Total	577	non-null	int64

```
1 df.describe(include='all')
```

NameError

Traceback (most recent call last)

<ipython-input-2-174ba9bf1a5c> in <cell line: 1>()
----> 1 df.describe(include='all')

NameError: name 'df' is not defined

SEARCH STACK OVERFLOW

```
1 df.isnull()
```

	Year	State.Code	State.Name	Total.Math	Total.Test-takers	Total.Verbal	Subjects.Arts,
0	False	False	False	False	False	False	
1	False	False	False	False	False	False	
2	False	False	False	False	False	False	
3	False	False	False	False	False	False	
4	False	False	False	False	False	False	
...	
572	False	False	False	False	False	False	
573	False	False	False	False	False	False	
574	False	False	False	False	False	False	
575	False	False	False	False	False	False	
576	False	False	False	False	False	False	

577 rows × 99 columns

```
1 print("no null values -\n",df)
```

no null values -							
	Year	State.Code	State.Name	Total.Math	Total.Test-takers	\	
0	2005	AL	Alabama	559	3985		
1	2005	AK	Alaska	519	3996		
2	2005	AZ	Arizona	530	18184		
3	2005	AR	Arkansas	552	1600		
4	2005	CA	California	522	186552		
..		
572	2015	VA	Virginia	517	59621		
573	2015	WA	Washington	511	44423		
574	2015	WV	West Virginia	500	2501		
575	2015	WI	Wisconsin	606	2277		
576	2015	WY	Wyoming	587	181		

	Total.Verbal	Academic Subjects.Arts/Music.Average GPA	\
0	567		3.92
1	523		3.76
2	526		3.85
3	563		3.90
4	504		3.76
..
572	518		3.83
573	502		3.83
574	509		3.92
575	591		3.93
576	588		3.91

	Academic Subjects.Arts/Music.Average Years	\
0	2.2	
1	1.9	
2	2.1	
3	2.2	
4	1.8	
..	...	
572	2.1	
573	2.2	
574	2.4	
575	2.6	
576	2.5	

	Academic Subjects.English.Average GPA	\
0	3.53	
1	3.35	
2	3.45	
3	3.61	
4	3.32	
..	...	
572	3.47	
573	3.50	
574	3.71	
575	3.77	
576	3.84	

	Academic Subjects.English.Average Years	...	\
0	3.9	...	
1	3.9	...	
2	3.9	...	
-	-	-	