

System Specifications

```
!cat /proc/cpuinfo
```

```

processor       : 0
vendor_id      : GenuineIntel
cpu family     : 6
model          : 79
model name     : Intel(R) Xeon(R) CPU @ 2.20GHz
stepping       : 0
microcode      : 0xffffffff
cpu MHz        : 2200.214
cache size     : 56320 KB
physical id    : 0
siblings       : 2
core id        : 0
cpu cores      : 1
apicid         : 0
initial apicid : 0
fpu            : yes
fpu_exception  : yes
cpuid level    : 13
wp             : yes
flags          : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush mmx fxsr sse sse2 ss ht
bugs           : cpu_meltdown spectre_v1 spectre_v2 spec_store_bypass l1tf mds swapgs taa mmio_stale_data retbleed
bogomips       : 4400.42
clflush size   : 64
cache_alignment : 64
address sizes   : 46 bits physical, 48 bits virtual
power management:

processor       : 1
vendor_id      : GenuineIntel
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model          : 79
model name     : Intel(R) Xeon(R) CPU @ 2.20GHz
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clflush size   : 64
cache_alignment : 64
address sizes   : 46 bits physical, 48 bits virtual
power management:

```

```
!cat /proc/meminfo
```

```

MemTotal:      13294252 kB
MemFree:       7858716 kB
MemAvailable:  12374104 kB
Buffers:       331856 kB
Cached:        4364744 kB
SwapCached:    0 kB
Active:        592816 kB
Inactive:      4577284 kB
Active(anon):  1036 kB
Inactive(anon): 473732 kB

```

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Active(file):      591780 kB
Inactive(file):    4103552 kB
Unevictable:       0 kB
Mlocked:           0 kB
SwapTotal:         0 kB
SwapFree:          0 kB
Dirty:             512 kB
Writeback:         0 kB
AnonPages:         471640 kB
Mapped:            284972 kB
Shmem:             1268 kB
KReclaimable:      122024 kB
Slab:              158392 kB
SReclaimable:      122024 kB
SUnreclaim:        36368 kB
KernelStack:       4432 kB
PageTables:        7832 kB
NFS_Unstable:      0 kB
Bounce:            0 kB
WritebackTmp:      0 kB
CommitLimit:       6647124 kB
Committed_AS:      1983772 kB
VmallocTotal:      34359738367 kB
VmallocUsed:        9364 kB
VmallocChunk:       0 kB
Percpu:            1312 kB
HardwareCorrupted: 0 kB
AnonHugePages:     20480 kB
ShmemHugePages:    0 kB
ShmemPmdMapped:    0 kB
FileHugePages:     0 kB
FilePmdMapped:     0 kB
CmaTotal:          0 kB
CmaFree:           0 kB
HugePages_Total:   0
HugePages_Free:    0
HugePages_Rsvd:    0
HugePages_Surp:    0
Hugepagesize:      2048 kB
Hugetlb:           0 kB
DirectMap4k:       82744 kB
DirectMap2M:       4108288 kB
DirectMap1G:       11534336 kB

```

Installing Libraries

```
!pip install pandas
```

```

Requirement already satisfied: pandas in /usr/local/lib/python3.10/dist-packages (1.5.3)
Requirement already satisfied: python-dateutil>=2.8.1 in /usr/local/lib/python3.10/dist-packages (from pandas) (2.8.2)
Requirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.10/dist-packages (from pandas) (2022.7.1)
Requirement already satisfied: numpy>=1.21.0 in /usr/local/lib/python3.10/dist-packages (from pandas) (1.22.4)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.10/dist-packages (from python-dateutil>=2.8.1->pandas) (

```

```
import pandas as pd
```

```
df=pd.read_csv('/content/BostonHousing.csv')
```

```
df.head()
```

!ls

BostonHousing.csv

sample_data

2	0.02729	0.0	7.07	0	0.469	7.185	61.1	4.9671	2	242	17.8	392.83	4.03
3	0.03237	0.0	2.18	0	0.458	6.998	45.8	6.0622	3	222	18.7	394.63	2.94
4	0.06905	0.0	2.18	0	0.458	7.147	54.2	6.0622	3	222	18.7	396.00	5.33