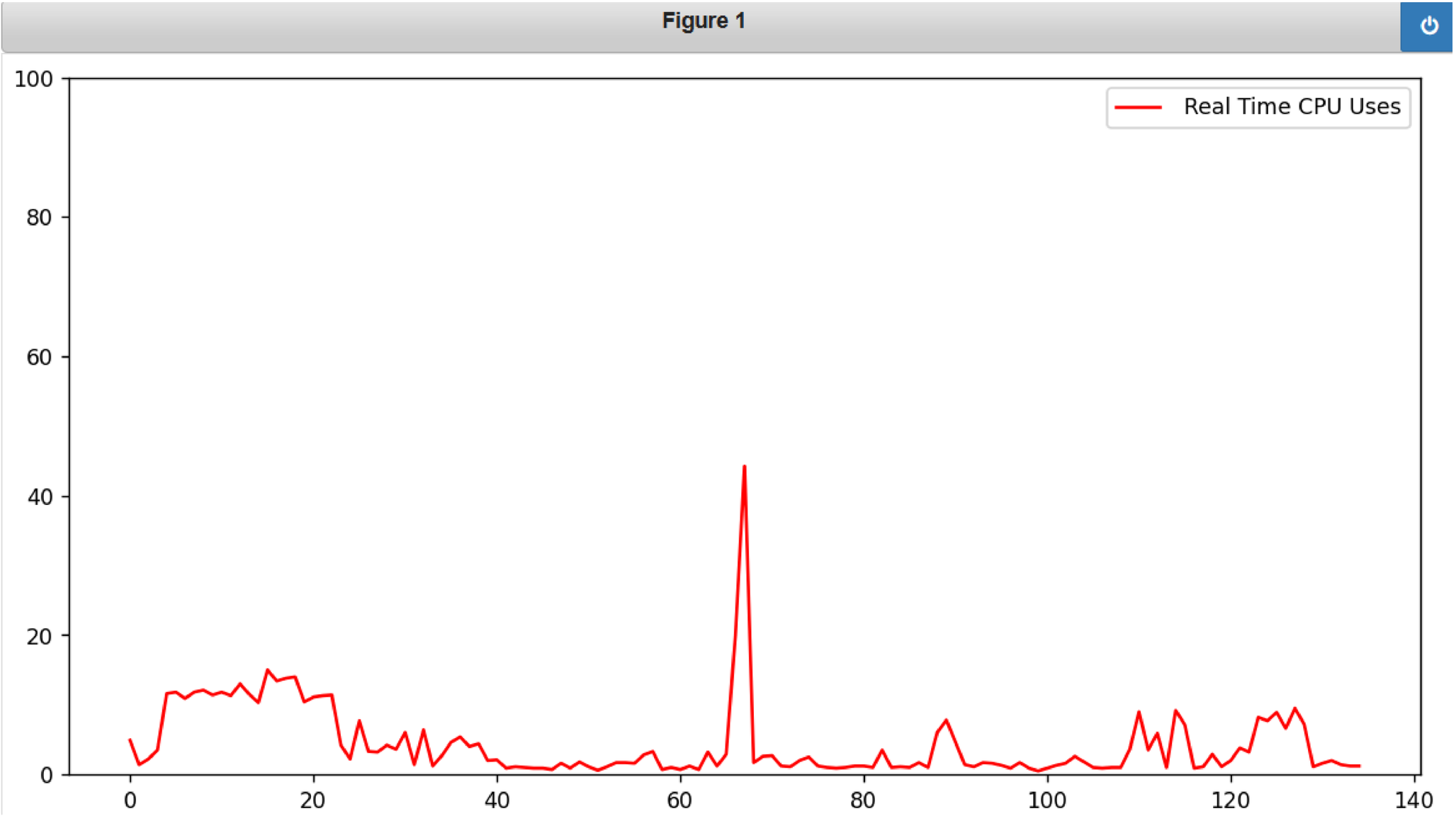
CPU Analysis

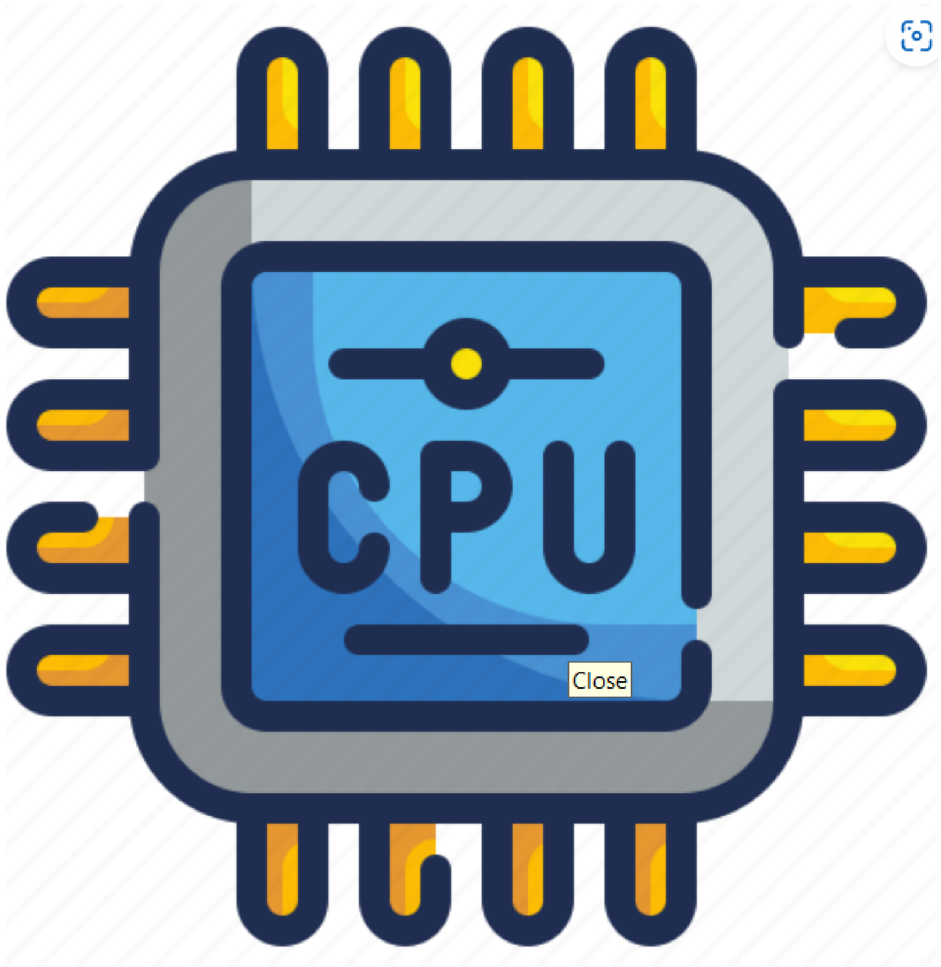
-By Sunil Mourya

Problem statement:

Choosing the right CPU for upgarde.



- Choosing the right CPU for upgrade is a challenging task as there are abundant amount of CPUs are present in the market
- While choosing a right CPU you also need to consider clock speed TDP & Cores.



Agenda

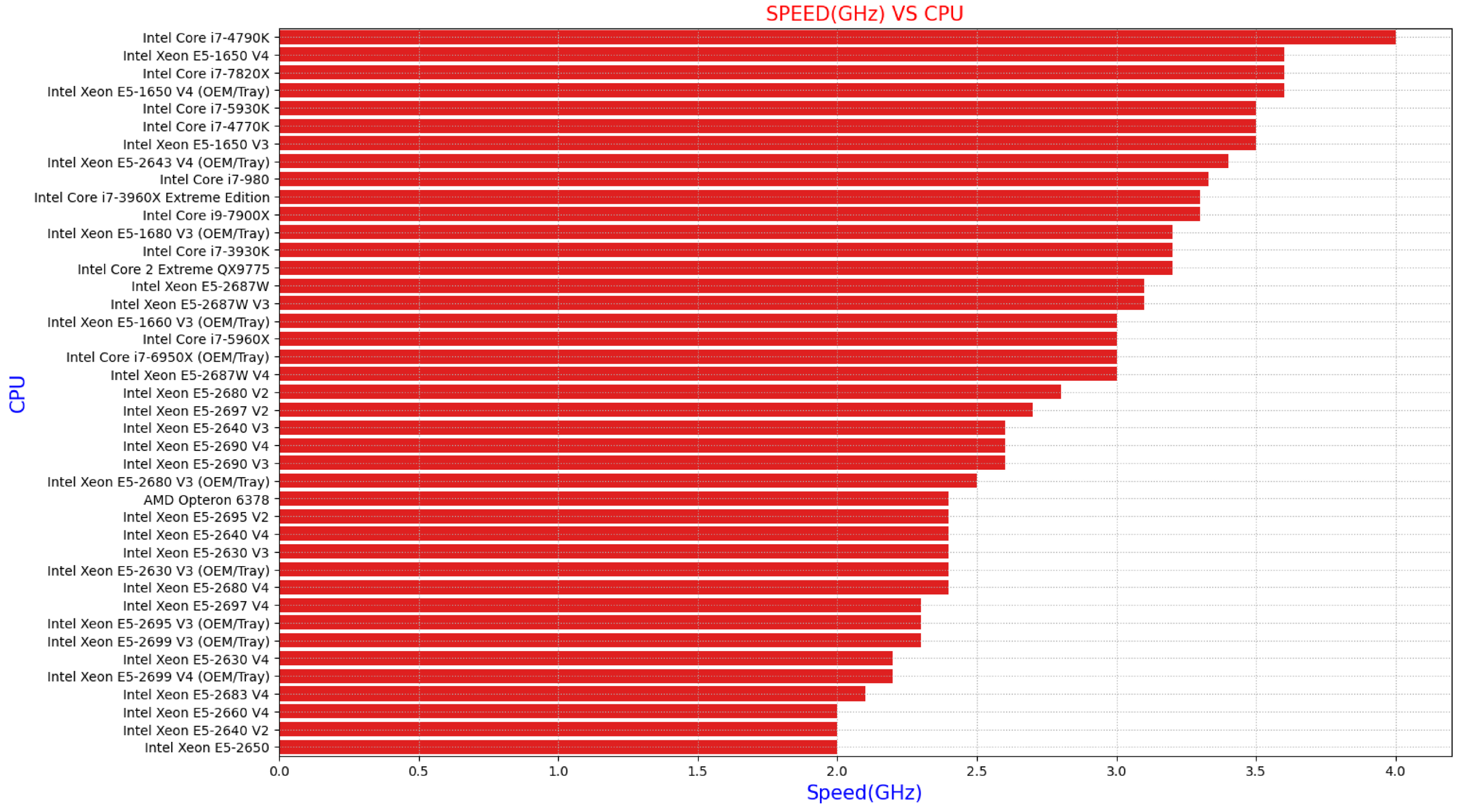
KEY TOPICS DISCUSSED IN
THIS PRESENTATION

- What is CPU?
- Different CPU from Intel
- Which CPU bought the most and why?
- Which CPU perform better and why?
- Heating issue with CPU
- Which one is best for you
- Where to buy

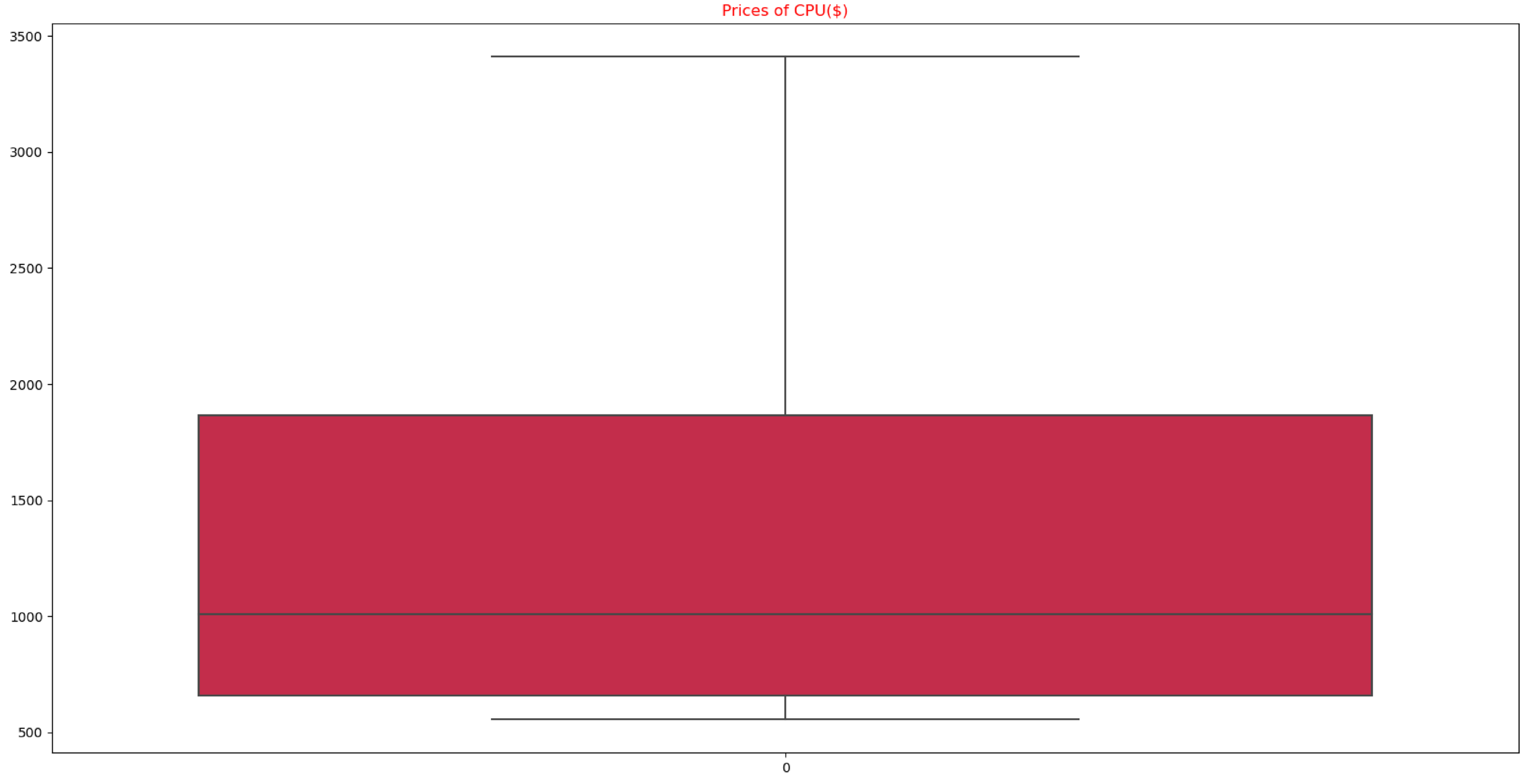
What is CPU?

A CPU is a hardware that performs data input or output, processing and storage functions for a computer system. CPU has cores and threads that contributes in better performance and multitask handling.

Different CPUs from Intel

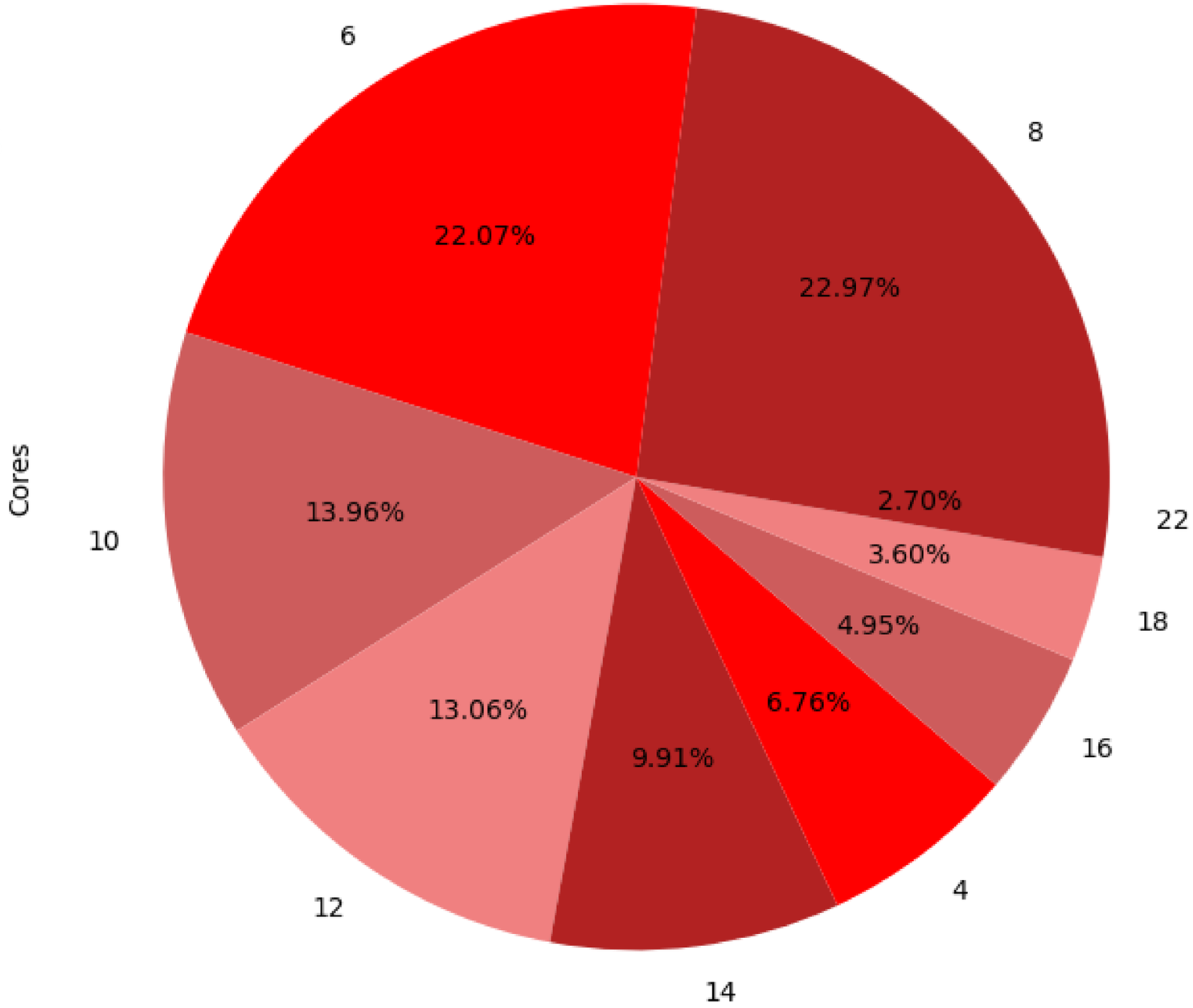


Prices of CPUs from Intel

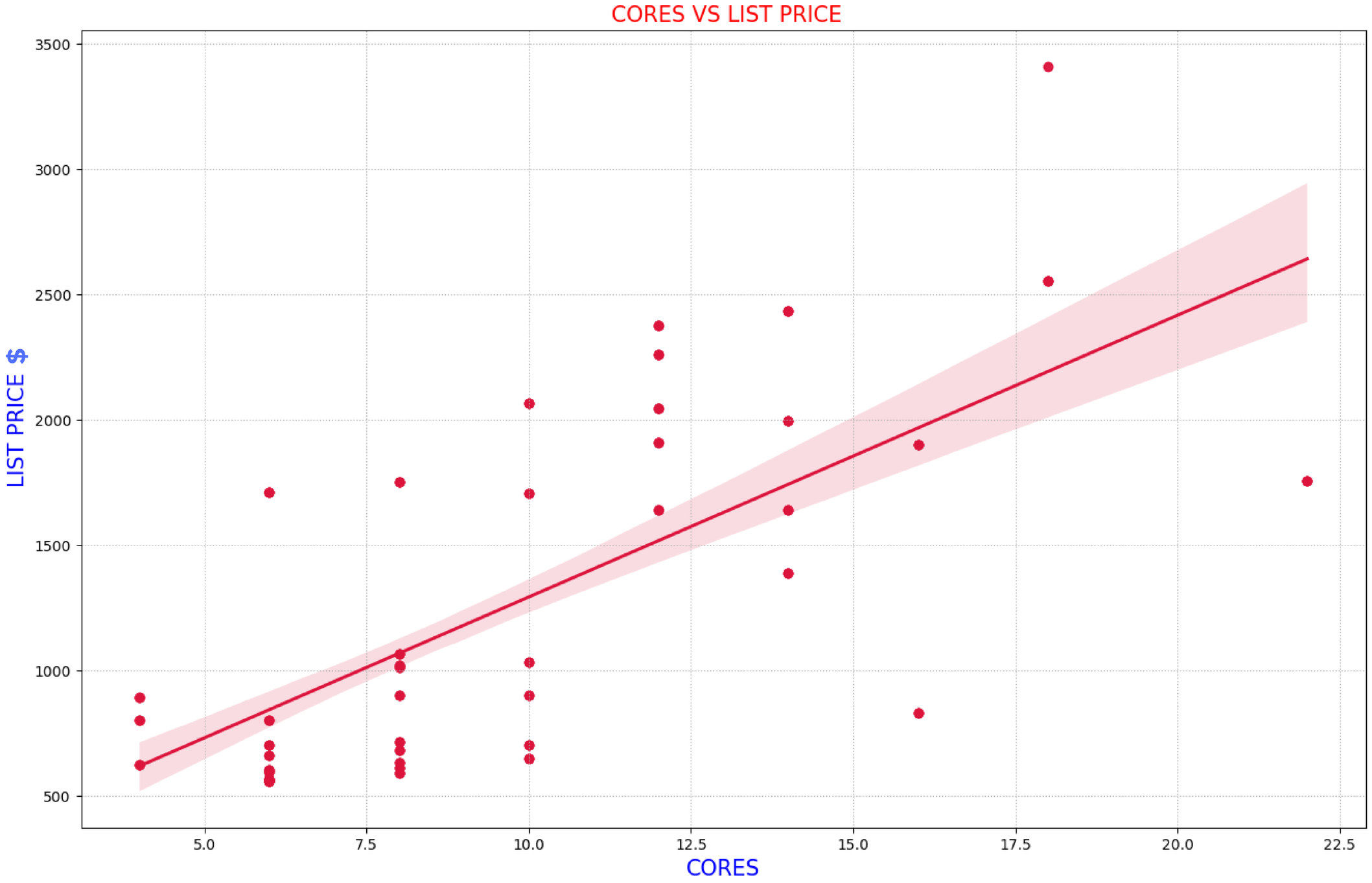


Which CPUs are bought the most by people?

- The 6 cores and 8 cores CPUs are bought the most at 22%.
- followed up by 10 cores and 12 cores CPUs at 13%.
- The CPUs of 22 cores and 18 cores and 16 cores bought least.

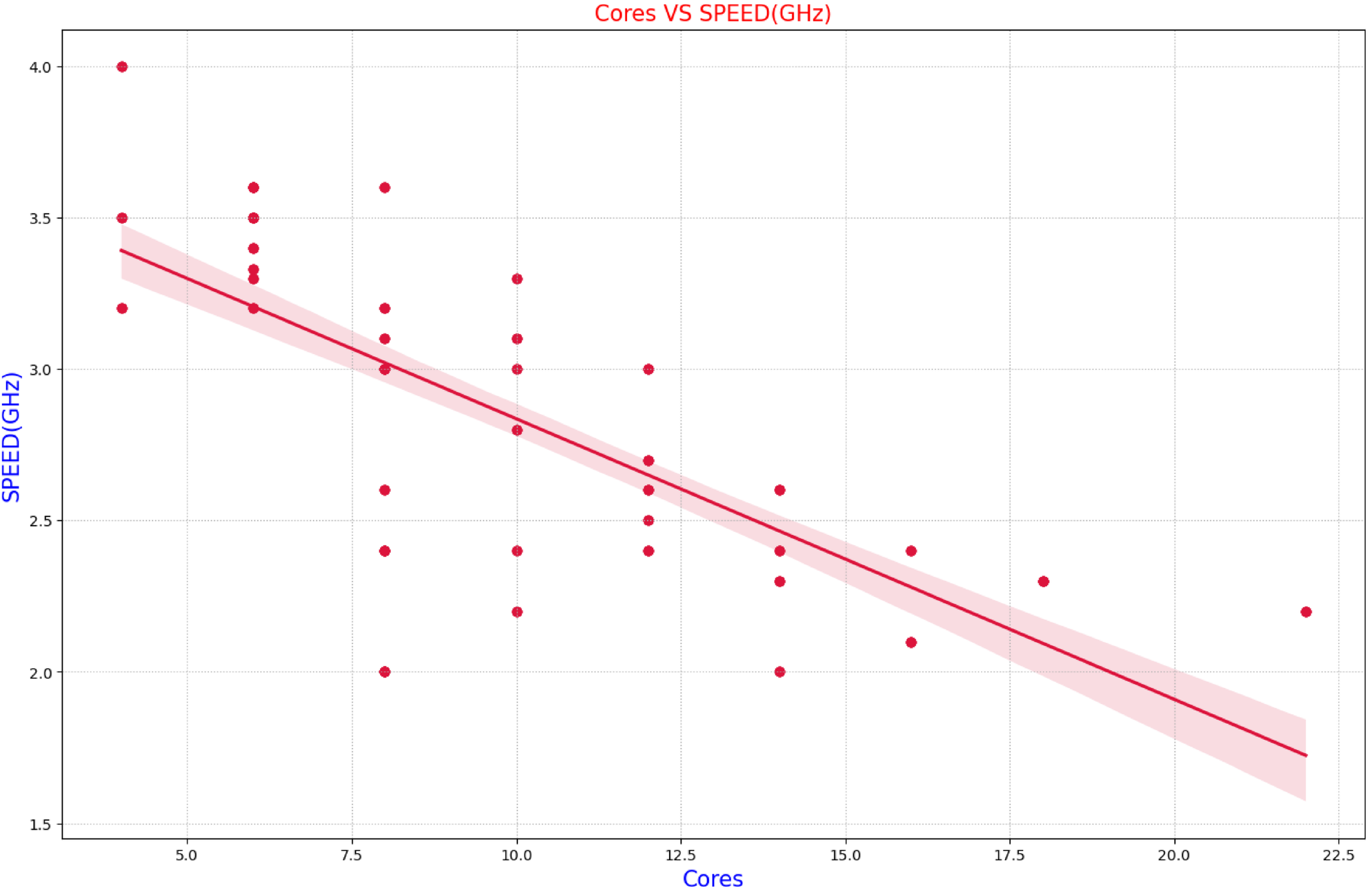


Why people buying 8 Cores and 6 Cores over 16 Cores and higher?



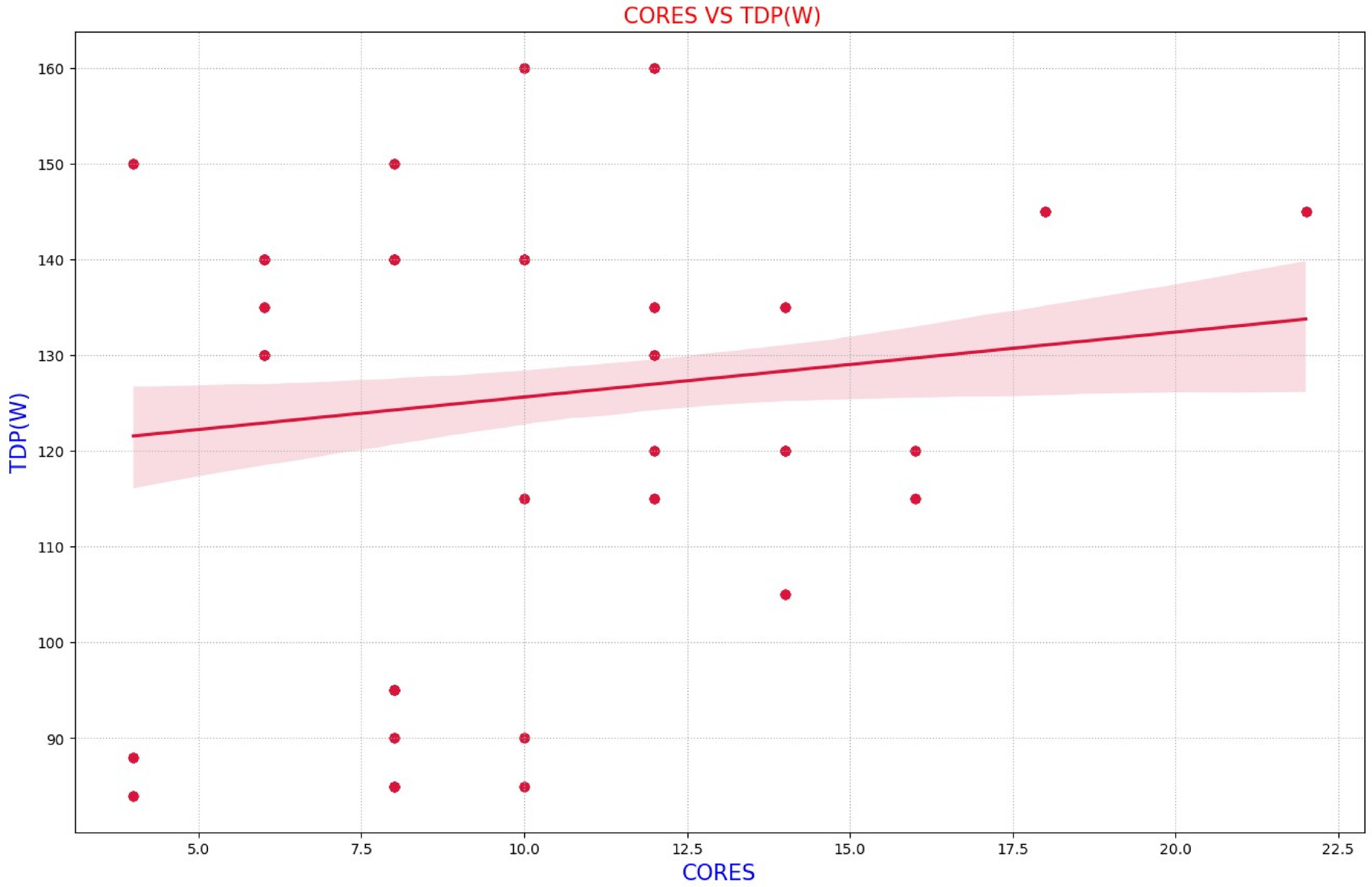
- As the Number of Core increases the prices of CPU also increases.
- 6 Cores and 8 Cores CPUs are way cheaper than 16 Cores and higher.

Why people buying 8 Cores and 6 Cores over 16 Cores and higher?



- As the Number of Cores increases the clock speed(GHz) of CPU decreases.
- 6 Cores and 8 Cores CPUs are perform better than 16 Cores and higher in term of processing.
- Higher Number of cores gives better multitasking but does not gives you better performance.

CPU generating TDP(Thermal design power)



- As the Number of Cores increases the TDP of CPU may increases but not necessarily.
- CPUs with 10 Cores and 12 Cores release highest amount of heat and causes less performance.
- CPU with 10 Cores and 12 Cores should be provided with better ventilation to reduce the TDP.

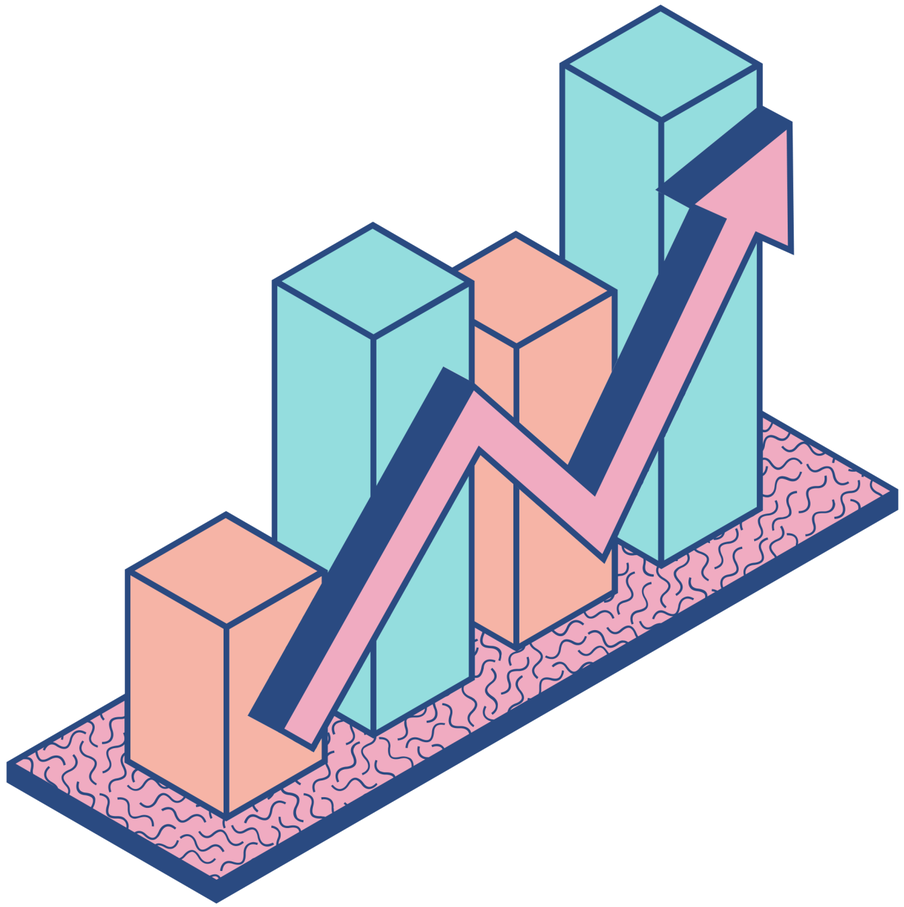
Conclusion:

- As the Number of Cores increases the clock speed(GHz) of CPU decreases.

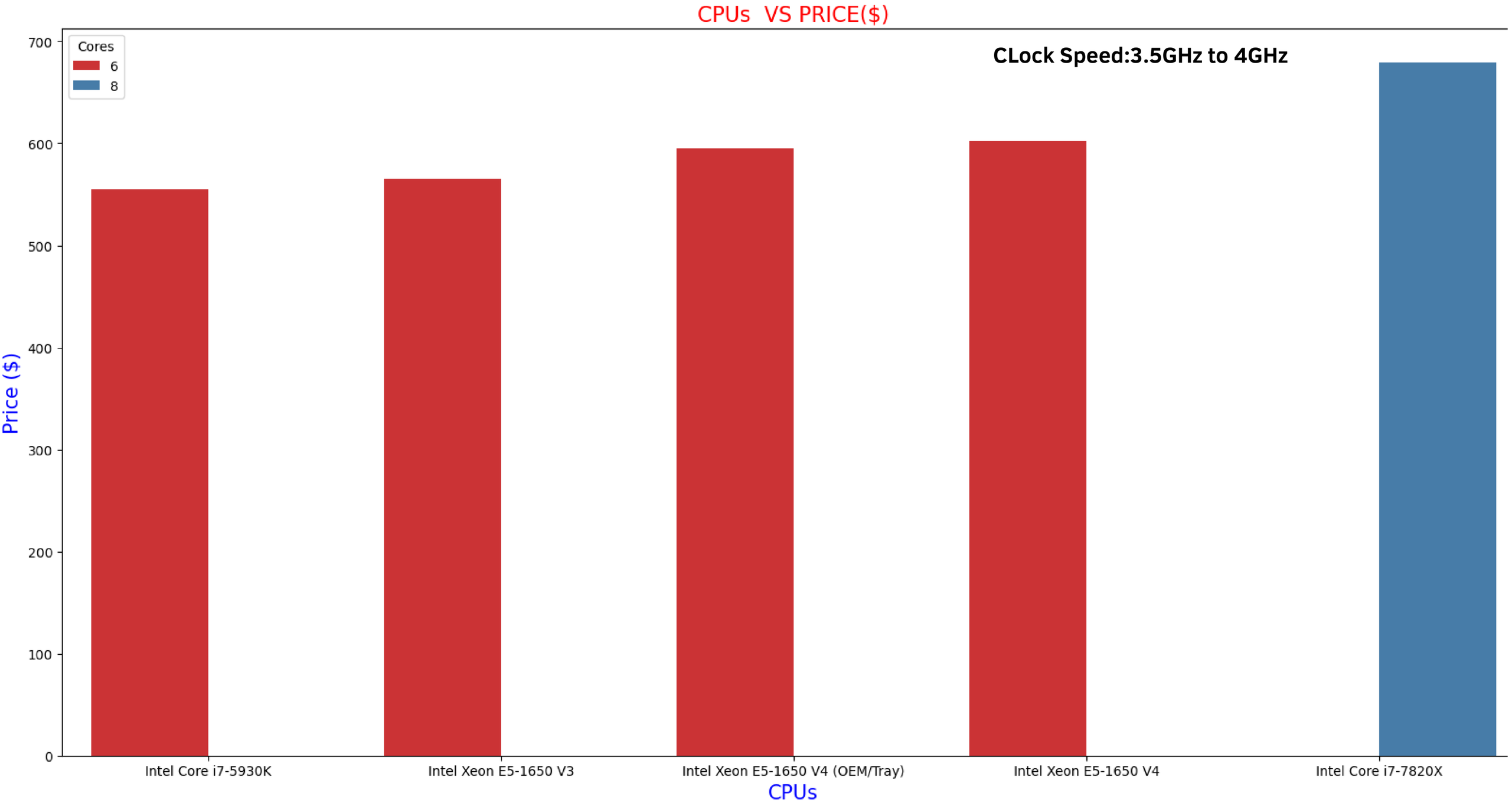
- As the Number of Cores increases the prices of CPU also increases.

- As the Number of Cores increases the TDP of CPU may increases but not necessarily.

- Higher Number of cores gives better multitasking but does not gives you better performance.

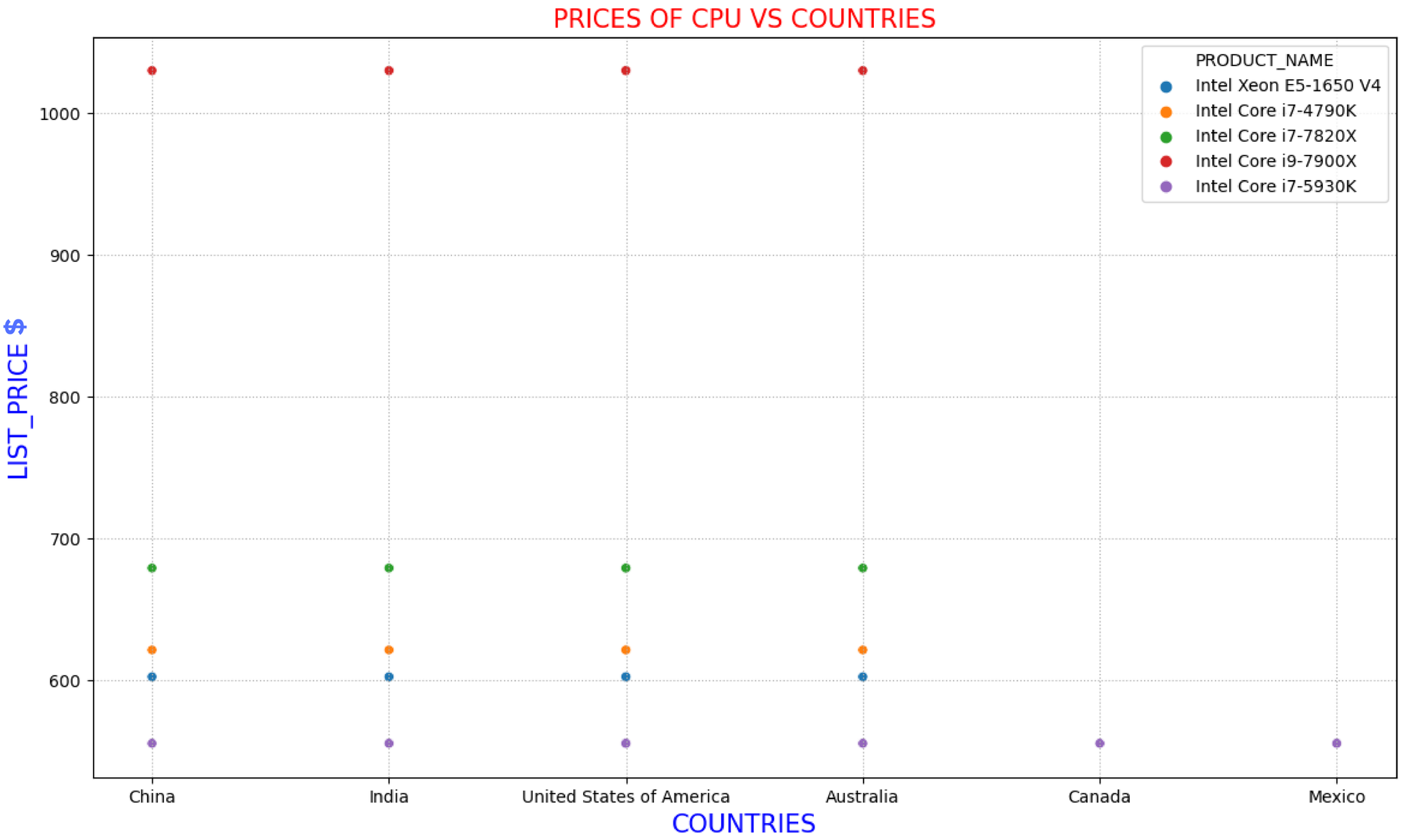


Which CPU you should buy if you are a hardcore gamer?



CPU for Casual gaming and better Multitasking

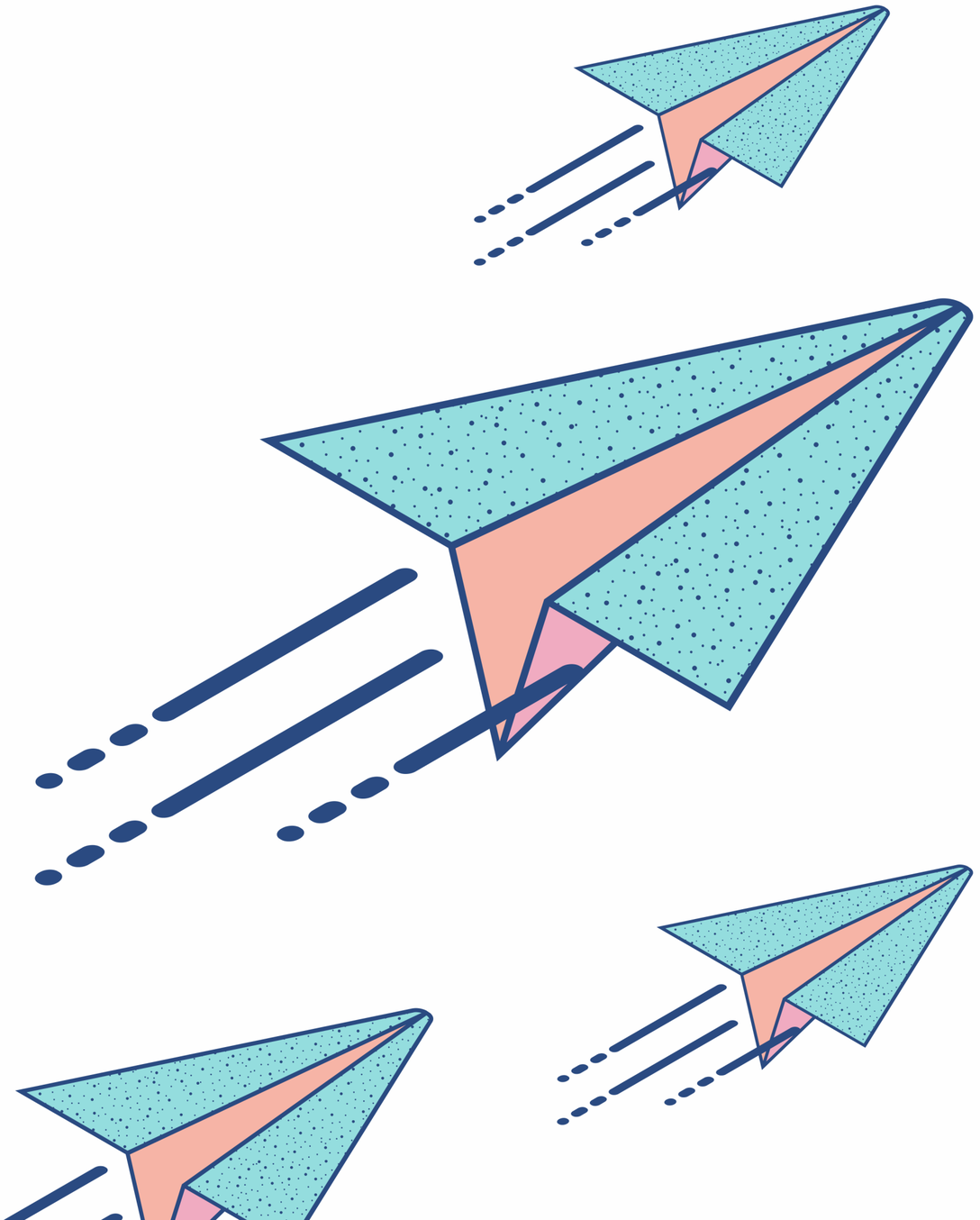
Where you should buy the CPU?



- Prices of the Intel CPU are almost same in every country.
- The Prices may vary according to the taxes in different countries.

Do you have any questions?

Send it to us! We hope you learned something new.



Thank you!