Check whether really a low precision affects the speed flops/sec.

Example:

8 bit integer 100terraflops/sec

…

..

..

64 bit integer 5TF/sec

Check when you decrease the resolution the performance increases.

Create a training and testing set.

Parameters to be considered: precision and recall( which according to nvdia doesn’t make a difference)

**Check if anyone has done the evaluation for precision and recall regarding this project**

Running neural networks at multiple nodes

(find the ability to change the data types such as from 8 bit tot 64bit)

Tensor cores

Supported gpu’s: p100 x,

NVdia volta

(upto 640 tensor cores)

?? Numeric precision offered

**Things to be considered**

**Data size**

**Speed**

**Precision**

**Computing power**

**Simulating resources(Chameleon)**

**s**