GRU 607 Graded Recurrent Unit aims to solve the vanishing gradient problem which comes wit a standard never neveral network. To solve the vanishing gradient problem of standard GRU wes, update gate and nestet gate. Basically, these are two vectors which decide what intormation should be passed to the output. The special thing about them is that they can be trained to keep information from long ago, without washing it through time on nemove information which is innelevant to the priediction. The update gate helps the model to determine how much of the part intormation (from previous time steps) heads to be parned along to the future. The reset gate is used from the model to decide how much of the past information to forzget.

The main difference of LSTM and GRV is in the Grate number. LSTM han three gates (input, output and forget) where as GRU has two gates (neset and update gate). (RU couples tonget as well as input gates. GRU use less training parameters and therefore we less memory, execute funter and train faster than LSTM's where on LSTM is more accurage on dataset using longer sequence. In short, it sequence is large on accuracy is very critical, please we should go for LSTM whereas for less memory consumption and faster operation go for GRU. It we do not have much flooding point Openations per se second (FLOP's) to spore which to GRV. LSTM has three values at output (output, hidden and cell) wheneas GRU has two values at output.

GRU has two gates and tosten than compute to RNN. And LSTM networks one an extension of RNN that extend the memory. GRV is fasten because arru me less training parameters and therefore we less memony, execute fastern and train fastern than taken RNN. RNN is more accurate on dutasets using longers sequence. In short, it sequence is large on accuracy is very critical.