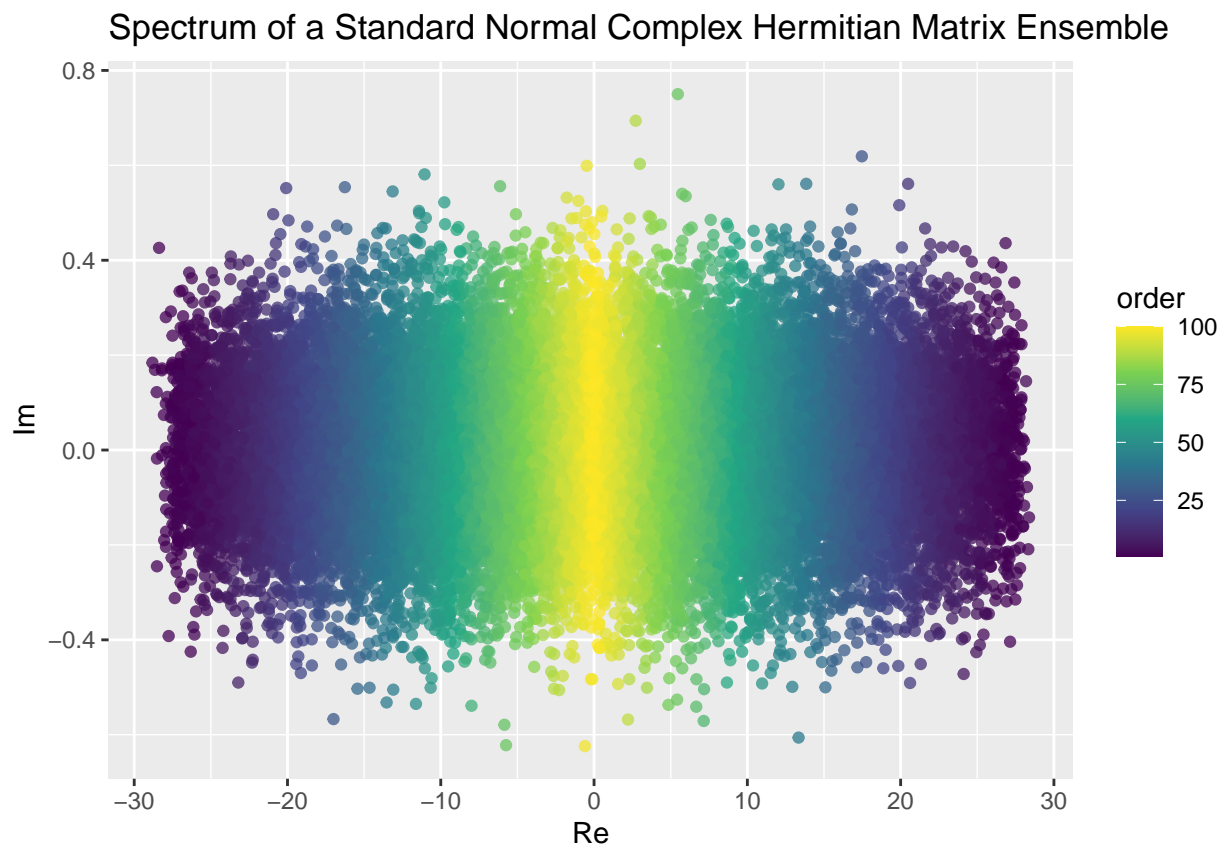# Ensemble Dev

Ali Taqi

2/23/2021

```
N <- 100
ensemble <- RME_norm(N, mean = 0, sd = 1, cplx = T, herm = T, size = 250)
# Returns largest eigenvalues of the matrix
spectrum.scatterplot(ensemble, "Standard Normal Complex Hermitian")
```


Spectrum of a Standard Normal Complex Hermitian Matrix Ensemble

```
spec <- spectrum(ensemble, largest = TRUE)
spectrum.scatterplot(spec)
```

Spectrum of a Matrix Ensemble