Eigen-Dev

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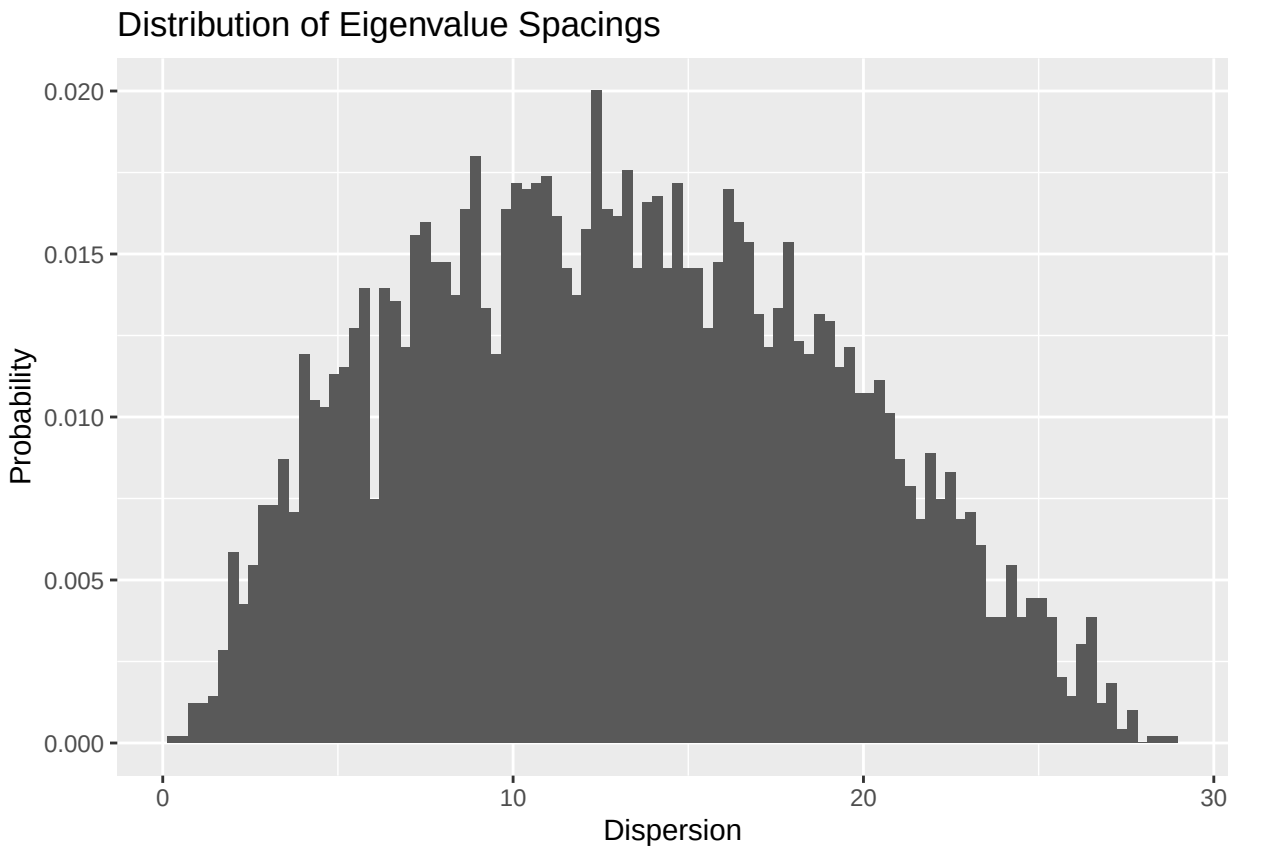
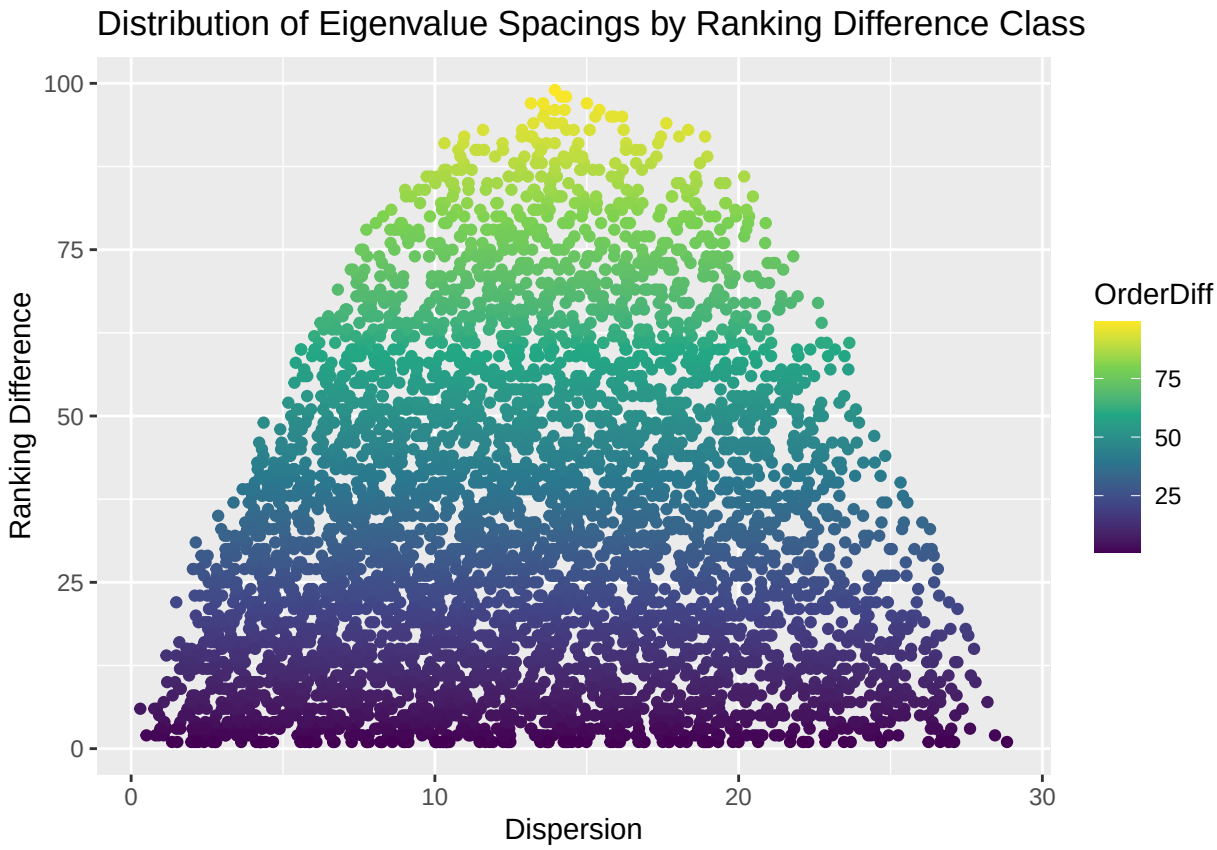
Standard Normal; Complex Entries

```
P <- RM_norm(100, cplx = T)
P %>% dispersion.histogram()
```



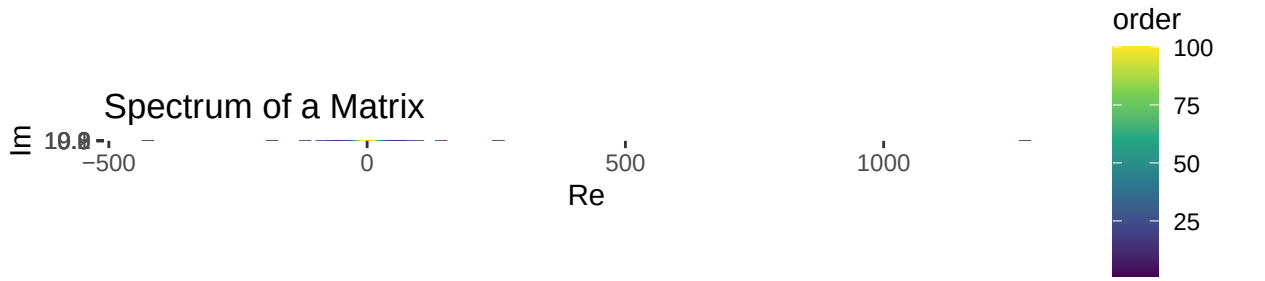

```
P %>% dispersion.scatterplot()
```



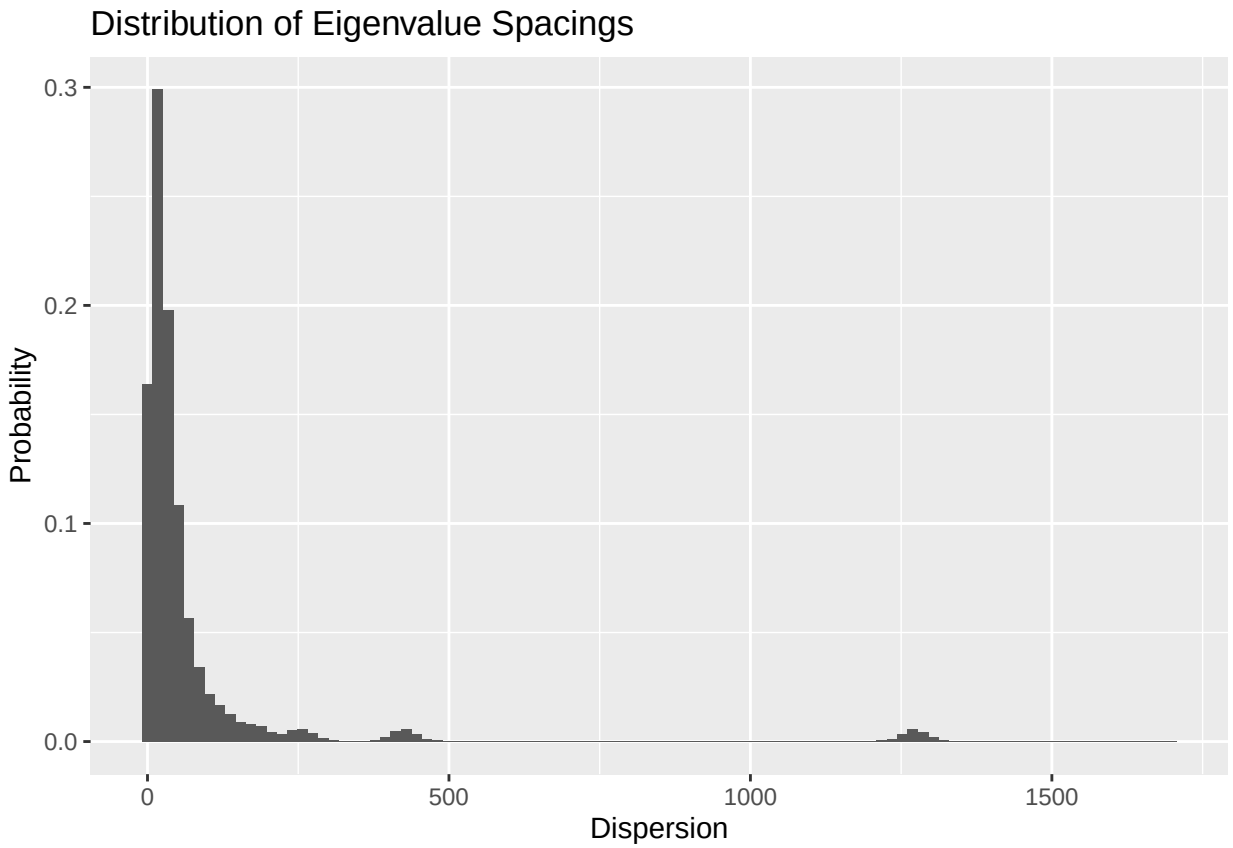

```
#P %>% dispersion.varplot()
```

100 x 100; N(10,1) Complex Hermitian

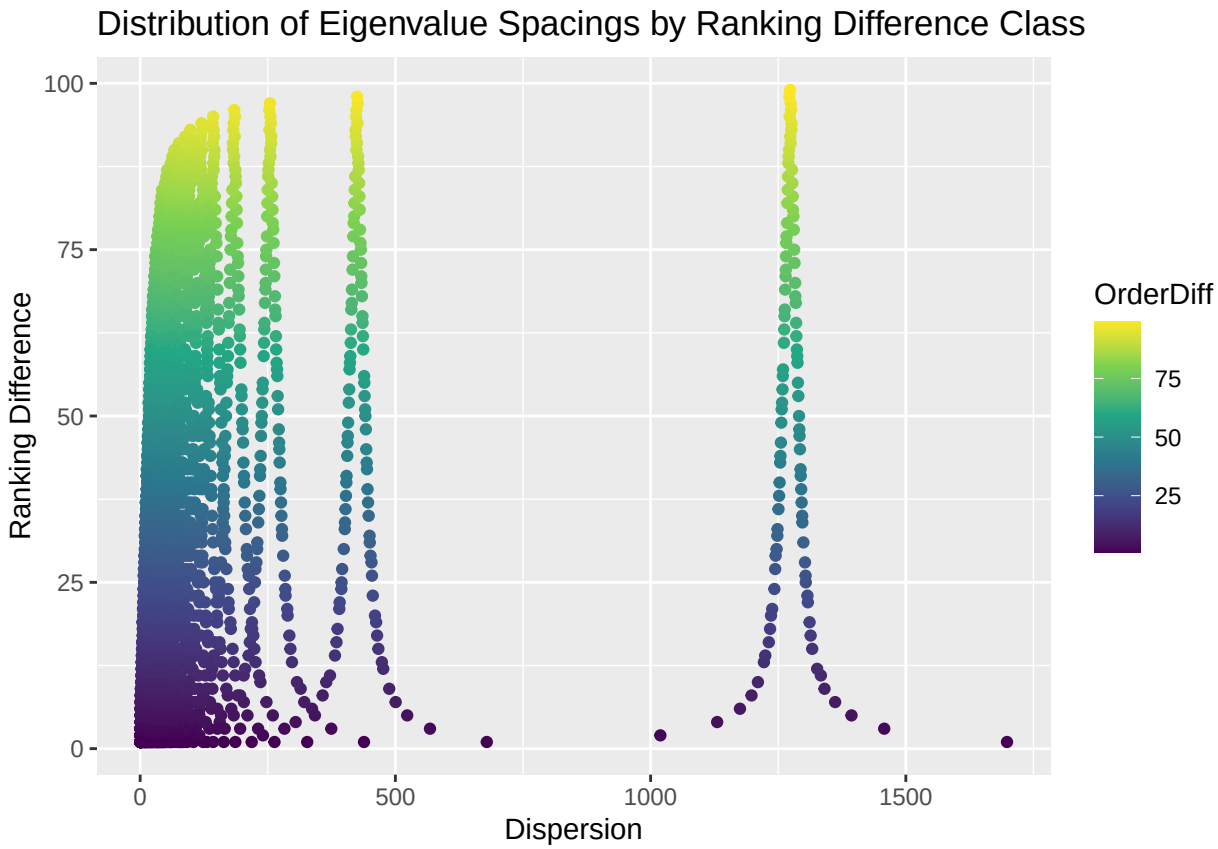
```
P <- RM_norm(100, mean = 10, cplx = T, herm = T)
P %>% spectrum.scatterplot()
```




```
P %>% dispersion.histogram()
```



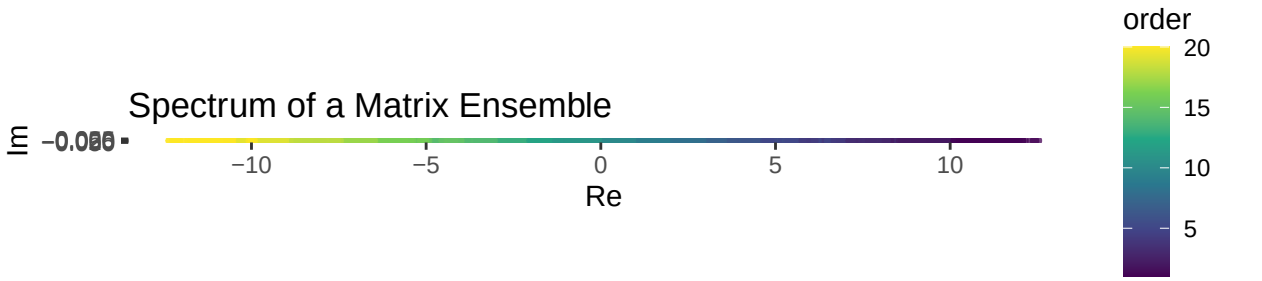

```
P %>% dispersion.scatterplot()
```



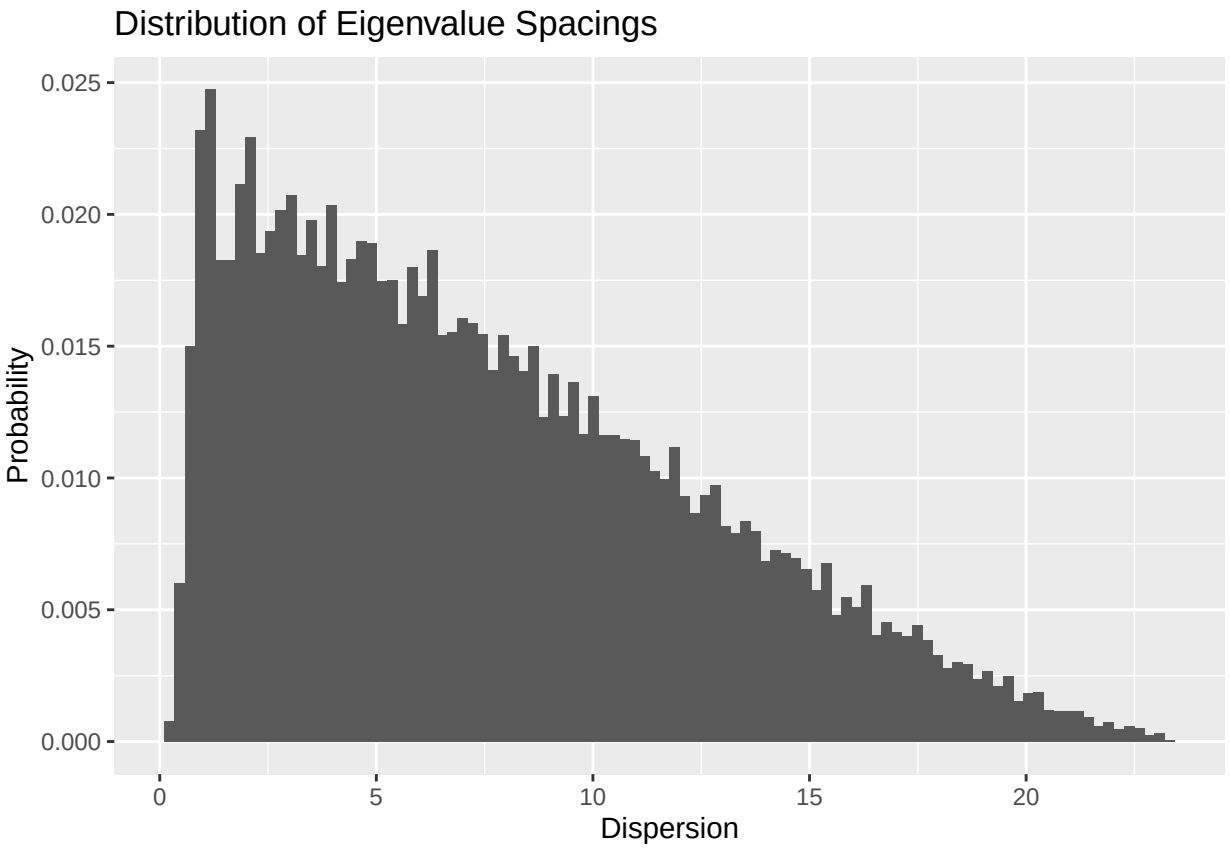

```
#P %>% dispersion.varplot()
```

Beta = 4 (Standard Norm)

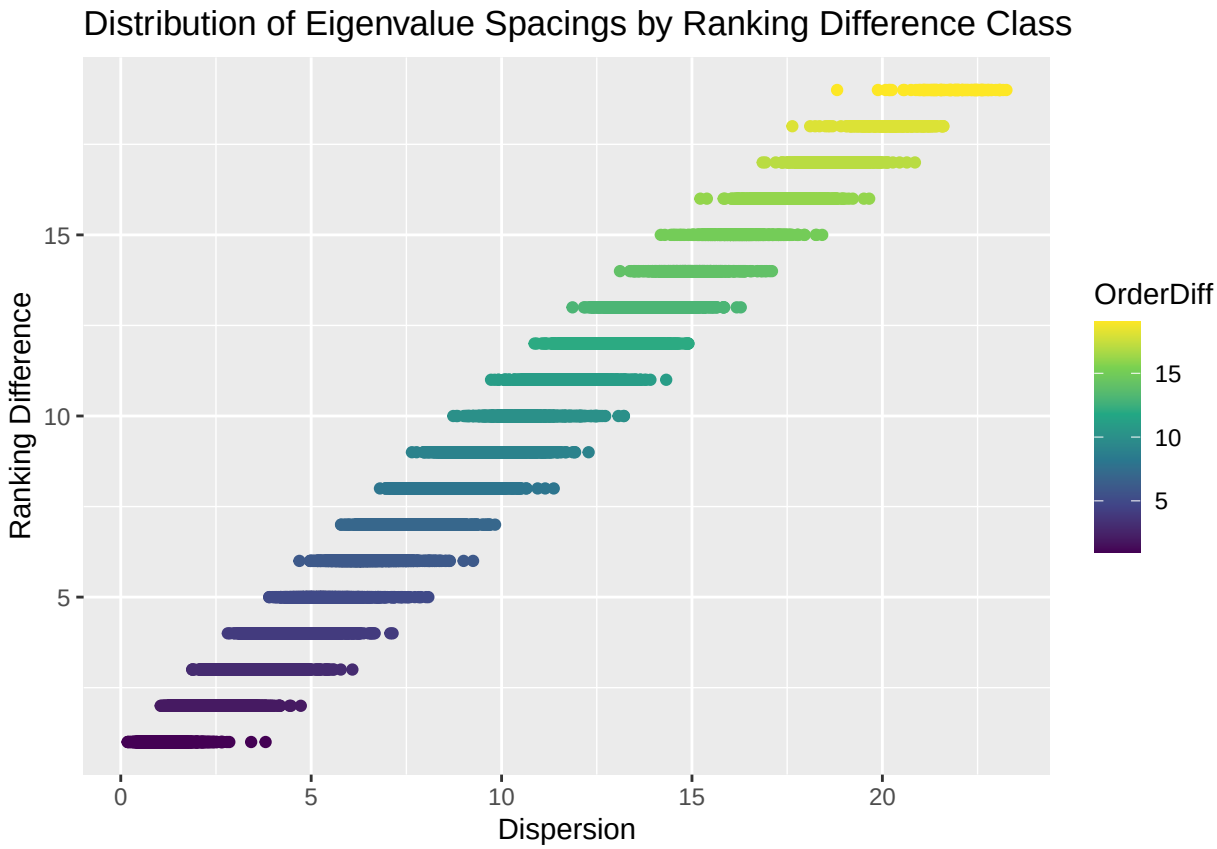
```
ens <- RME_beta(N = 20, beta = 4, size = 100)
ens %>% spectrum.scatterplot()
```




```
ens %>% dispersion.histogram()
```



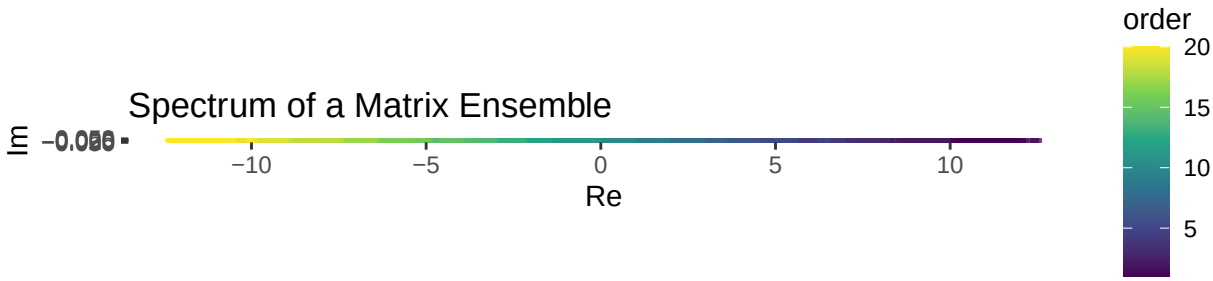

```
ens %>% dispersion.scatterplot()
```



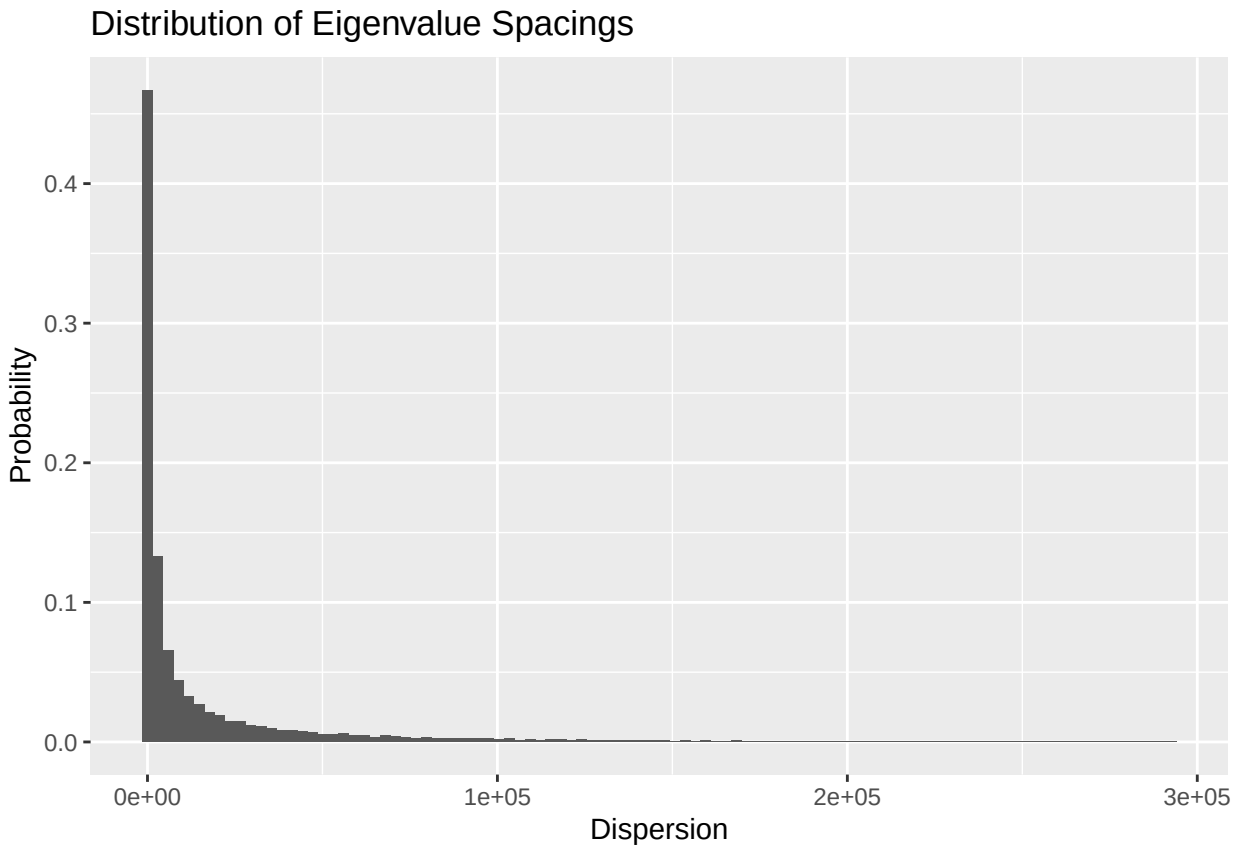

```
#ens %>% dispersion.varplot()
```

Beta = 4 (Power-4 Norm)

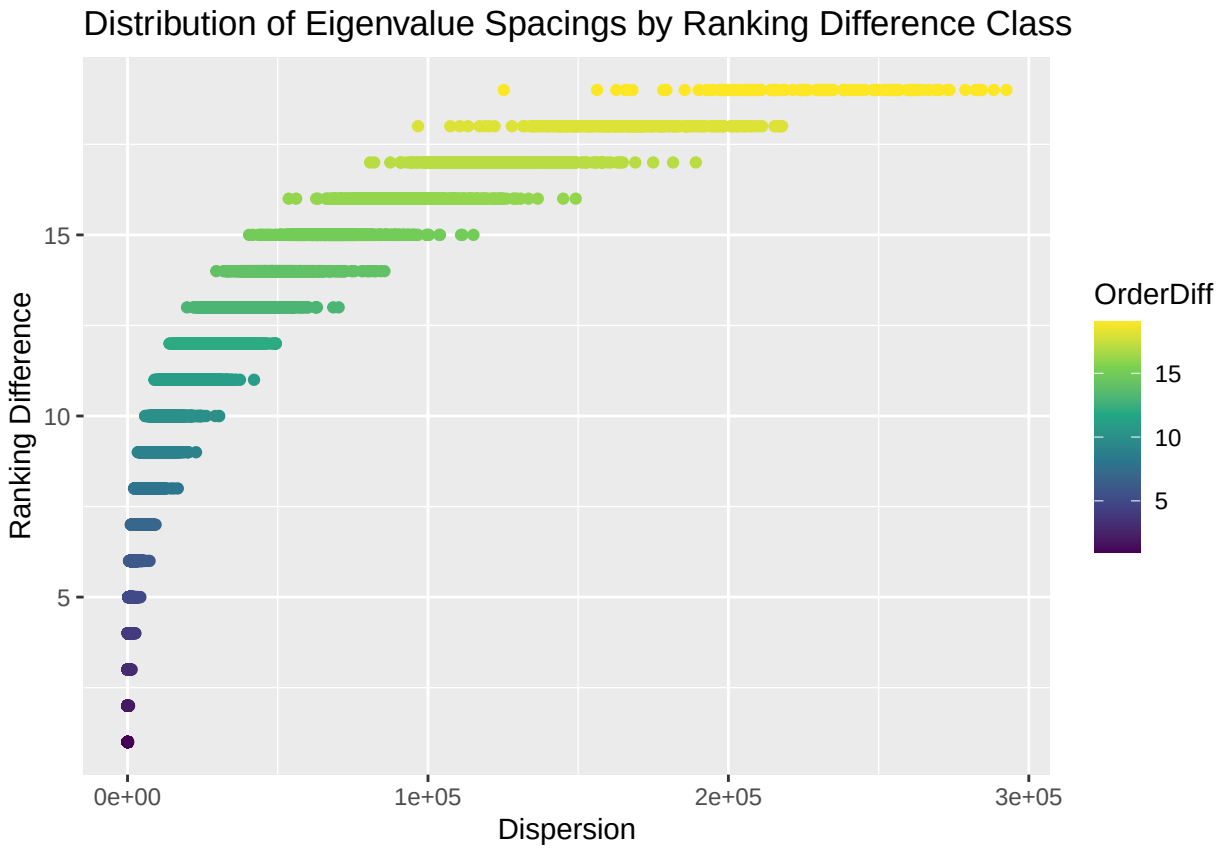
```
ens %>% spectrum.scatterplot()
```




```
ens %>% dispersion.histogram(norm = 4)
```

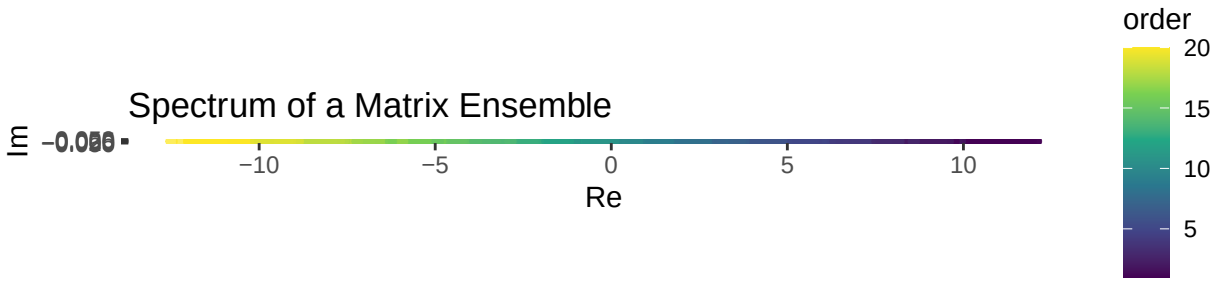



```
ens %>% dispersion.scatterplot(norm = 4)
```

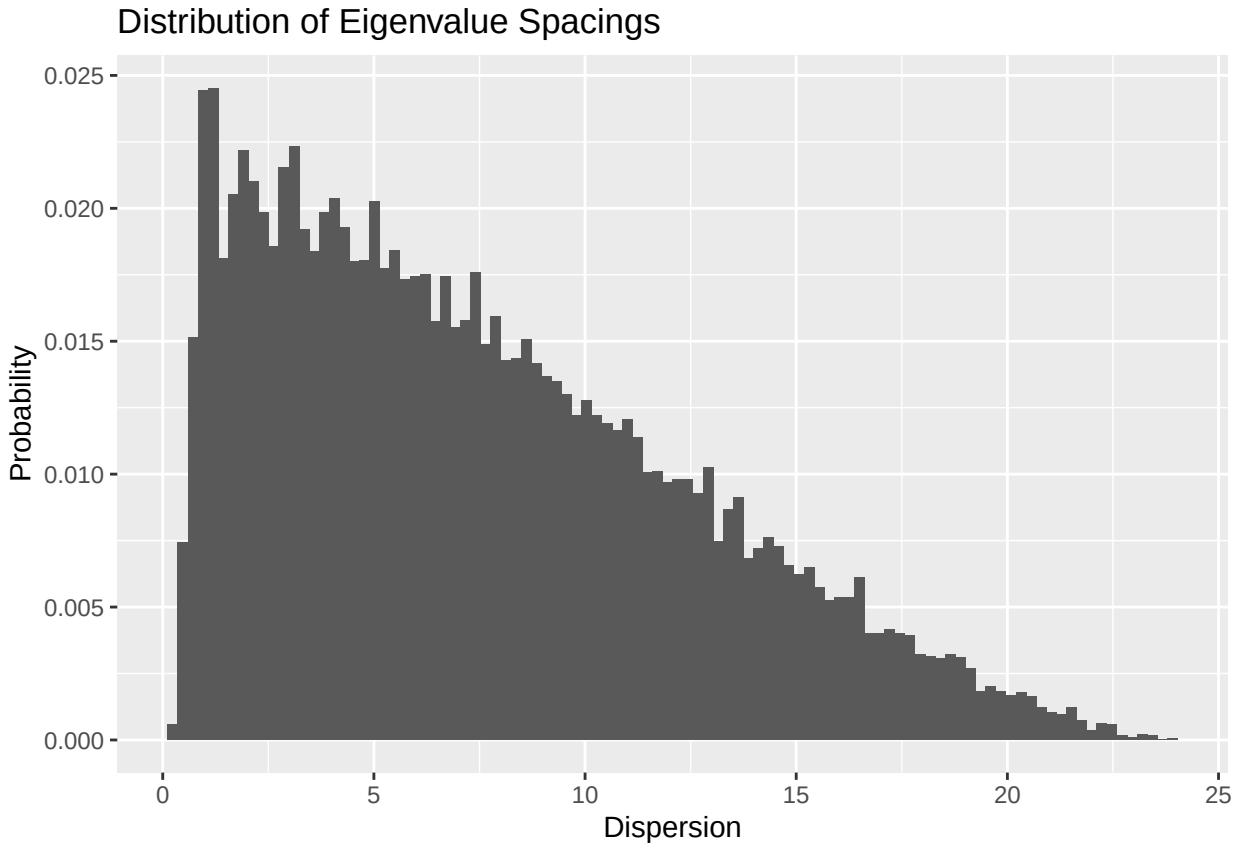



```
#ens %>% dispersion.varplot(norm = 4)
```

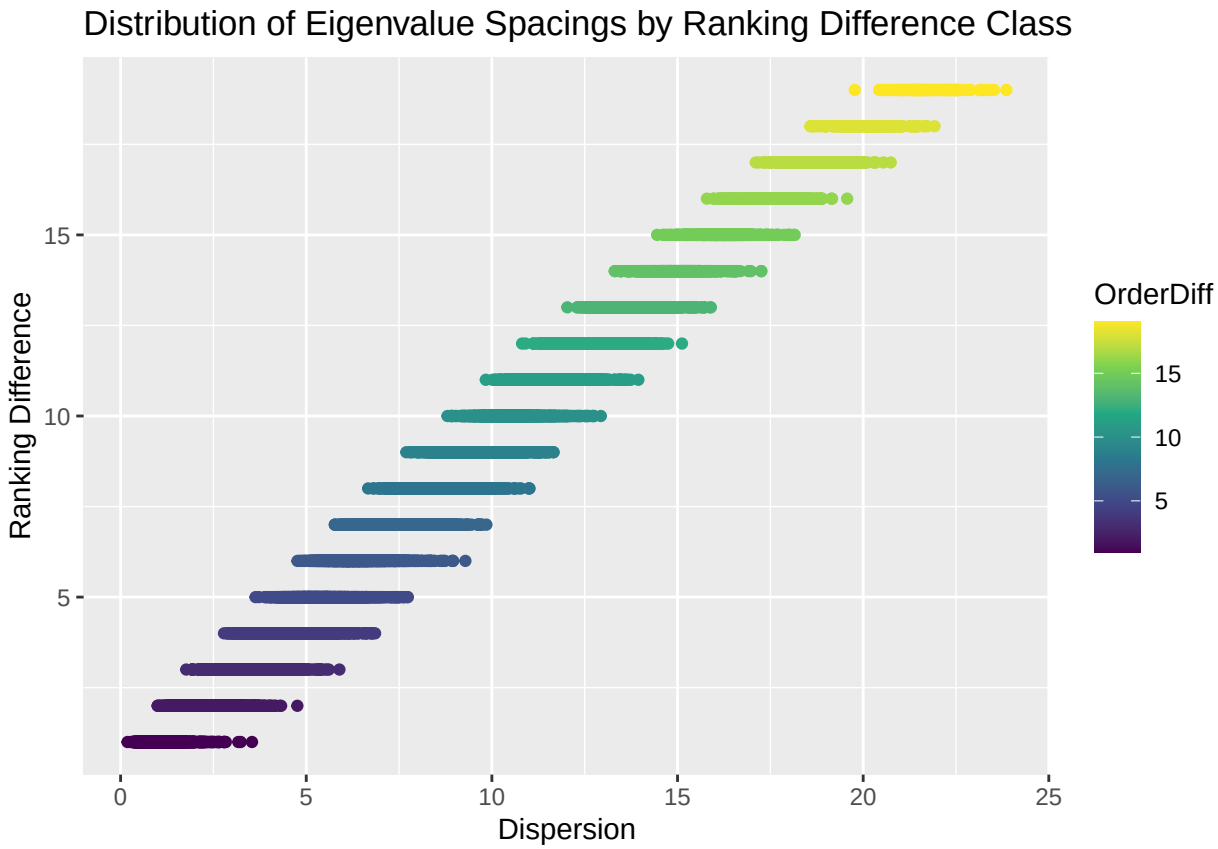
```
ens <- RME_beta(N = 20, beta = 4, size = 100)
ens %>% spectrum.scatterplot()
```




```
ens %>% dispersion.histogram()
```




```
ens %>% dispersion.scatterplot()
```




```
#ens %>% dispersion.varplot()
```