

# Chi-Square Distribution

R Handout

*Derek H. Ogle*

---

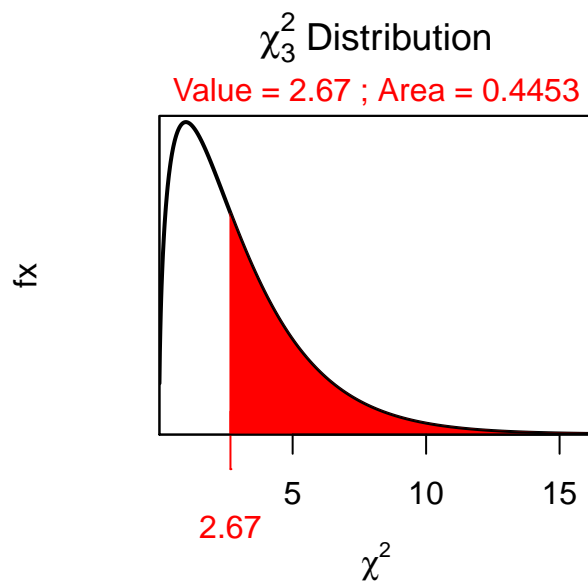
## First Commands

```
library(NCStats)
```

## Chi-Square Distribution Calculations

An example of computing the p-value  $\chi^2=2.67$  and  $df=3$ .

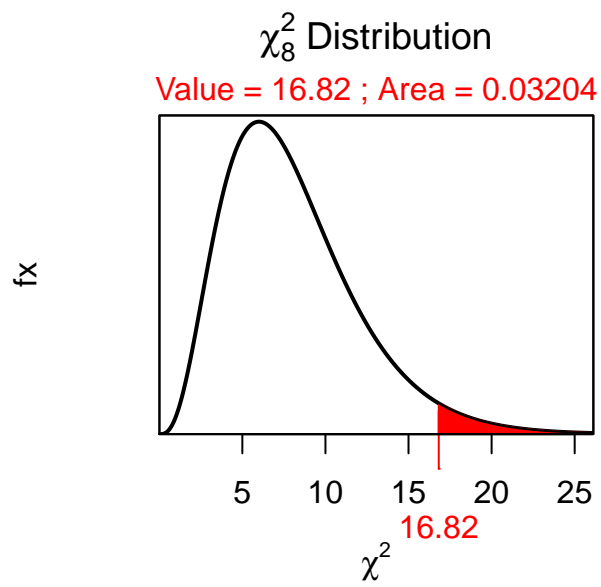
```
( distrib(2.67,distrib="chisq",df=3,lower.tail=FALSE) )
```



```
## [1] 0.4453496
```

An example of computing the p-value if  $\chi^2=16.82$  and  $df=8$ .

```
( distrib(16.82,distrib="chisq",df=8,lower.tail=FALSE) )
```



## [1] 0.03203895