

Chi-Square Distribution

R Handout

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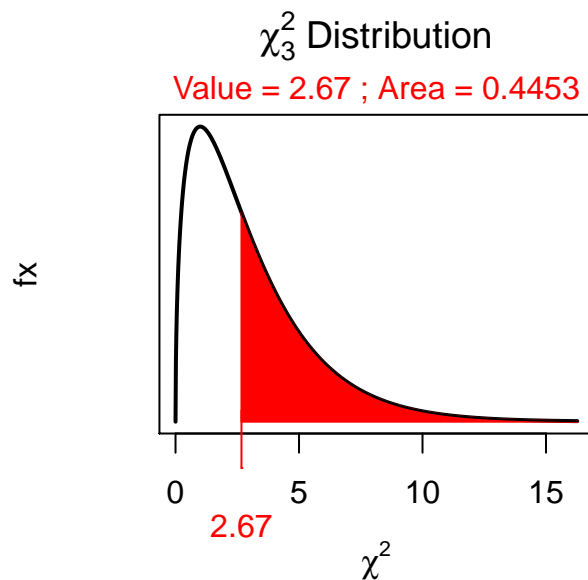
First Commands

```
> library(NCStats)
```

Chi-Square Distribution Calculations

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

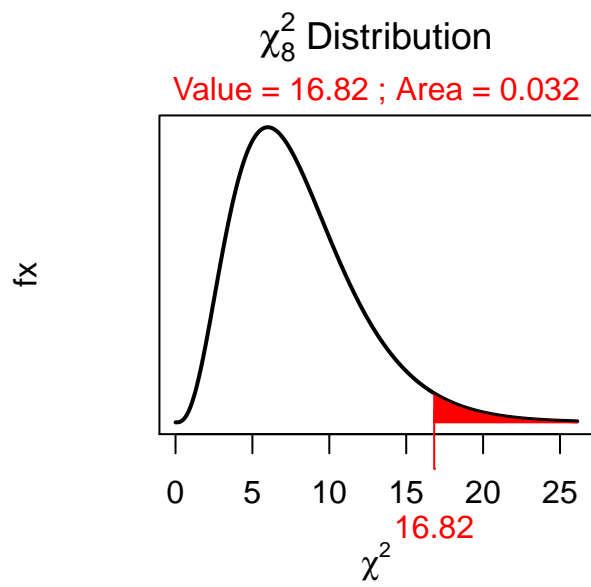
```
> ( distrib(2.67,distrib="chisq",df=3,lower.tail=FALSE) )
```



```
[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