

SOC 4930/5050: Week 07 Functions Quick Reference

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Packages

- `base`
- `stats`

Writing a Function

```
functionName <- base::function(param1, param2){  
  # function body  
}
```

t Distribution

For the t distribution, let:

t = score

df = and dof = degrees of freedom

Basic Function

```
stats::pt(t, df)
```

Full Equation

```
2*stats::pt(-abs(t), df)
```

As a Function

```
probt <- base::function(t, dof){  
  2*stats::pt(-abs(t),df = dof)  
}
```

Then...

```
.GlobalEnv::probt(t, dof)
```