

### Basic operators and functions

==	exact equality	!=	unequal
>	bigger	<	smaller
>=	bigger or equal	<=	smaller or equal
+	addition	-	subtraction
*	multiplication	/	division
^	power	sqrt(x)	square root
exp(x)	exponential	log(x)	logarithm
sin(x)	sine	cos(x)	cosine
tan(x)	tangent	range(x)	range min max
min(x)	minimum	max(x)	maximum
length(x)	number of elementsn	sum(x)	sum
mean(x)	mean	var(x)	variance

### R as a giant pocket calculator (\*\*Basics)

#### Commands and Assignments

##### Valid names?

```
.name1
name.1
name.var_1
```

##### Help commands?

```
help.start()
help.search("something")
help(function)
?function
apropos("something")
```

##### Commands?

```
x<- 24+10
{x<-24+10; sqrt(9); 1+1}
assign("x", 1+1)
```

##### Matrix?

```
data <-
c(1,2, 3,4 ,5, 6,7 ,8,9)
matrix (da ta, nrow=3,
ncol=3 ,by row =TRUE)
```

### (\*\* Basics)

#### Relax?

fortune() is a function from the *fortunes* package that contains anecdotes

### (\*Additional)

#### CRAN task views

```
install.packages("ctv")

library(ctv)

available.views()

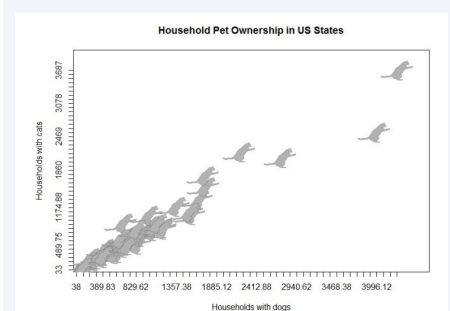
install.views("Psychometrics",
coreOnly=TRUE)

update.views("Psychometrics")
```

### MORE

### (\*\*Basics)

#### Cats!



### (\*Relax)

[Intro to R for cats and cat lovers](#)

Package catterplots to make plots with cats



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Not published yet.  
 Last updated 21st November, 2022.  
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