The University of Sydney
STAT2012 Statistical Tests

Semester 2	Useful hints for writing your comment	2015

- You should enclose R commands within

```
<<>>=
@
```

- You should write your comment outside

```
<<>>=
@
```

and after

```
\comment{Comment:}
```

Note that the following latex commands in blue for typing mathematics notations are *optional* and just for 'better presentation' in writing your computer reports and computer practical examination. If you are not familiar with them, you are advised to write the simple form in red.

- To type '95% CI', the latex command is

```
95\% CI
```

or simply '95 percent CI'.

Otherwise the following text will disappear.

- To type '$H_0 : \mu = 0$', 'σ^2', '$\frac{1}{\sqrt{x}}$', the latex command is

```
$H_0: \mu=0$
$\sigma^2$
$\frac{1}{\sqrt{x}}$
```

or simply `H0:mu=0, sigma2 and 1/sqrt(x)`

- To type '$H_0 : \mu_d = 0$ vs $H_1 : \mu_d \neq 0$', the latex command is

```
$H_0: \mu_d=0$ vs $H_1: \mu_d \ne 0$
```

or simply H0: mud=0 vs H1: mud not equal to 0

- To type '$H_0 : \alpha_1 = \alpha_2 = ...\alpha_5 = 0$ vs H_1 : not all equalities hold', the latex command is

```
$H_0: \alpha_1=\alpha_2=... \alpha_5=0$ vs $H_1:$ not all equalities hold
```

  or simply H0: alpha1=alpha2=...=alpha5 vs H1: not all equalities hold

- To type '$H_0 : \delta_{ij} = 0, i = 1, ..., r; j = 1, ..., c$ vs H_1 : not all equalities hold', the latex command is

```
$H_0: \delta_{ij}=0, i=1, ...,r; j=1,...,c$ vs $H_1:$ not all equalities hold
```

  or simply H0: deltaij=0, i=1, ...,r; j=1,...,c vs H1: not all equalities hold

- To type '$H_0 : \rho = 0$ vs $H_1 : \rho \neq 0$', the latex command is

```
$H_0: \rho=0$ vs $H_1: \rho \ne 0$
```

  or simply H0: rho=0 vs H1: rho not equal to 0

- To type '$H_0 : Y_i \sim N(\mu, \sigma^2$ vs $H_1 : Y_i$ not $\sim N(\mu, \sigma^2)$', the latex command is

```
$H_0: Y_i \sim N(\mu,\sigma^2$ vs $H_1: Y_i$ not $\sim N(\mu,\sigma^2)$
```

  or simply H0: Yi follow N(mu,sigma2) vs H1: Yi not follow N(mu,sigma2)
  or simply in words H0: the data follow a normal distribution vs H1: the data do not follow a normal distribution

- To type '95% confidence interval for β is', the latex command is

```
95\% confidence interval for $\beta$ is
```

  or simply 95 percent confidence interval for beta is

- Note that '2e-16' means 2×10^{-16} and the latex command is

```
$2 \times 10^{-16}$
```

  or simply 2e-16

- To type '$Y_i = \alpha + \beta x_i$', the latex command is

```
$Y_i =\alpha+\beta x_i$
```

  or simply Yi =alpha+beta xi