

## Testing – 6.3 $t$ -tests

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*Practice quiz*

The parameters of a model have been estimated using the Boeing dataset: `boeing.dat` (from the edX webpage), described in `BoeingDescription.pdf` (from the edX webpage). The output of the estimation is available in the file

`v634.Boeing.M0.html` (from the edX webpage).

Answer the following questions by performing  $t$ -tests:

1. Test the null hypothesis that the true value of the coefficient of the variable “being early” is zero?
2. Test the null hypothesis that the coefficients of the variables “elapsed time” for alternatives “non stop” and “one stop–same airline” are equal.
3. Test the null hypothesis that the coefficients of the variables “elapsed time” for alternatives “non stop” and “one stop–multiple airlines” are equal.
4. Test the null hypothesis that the coefficients of the variables “elapsed time” for alternatives “one-stop–same airline” and “one stop–multiple airlines” are equal.