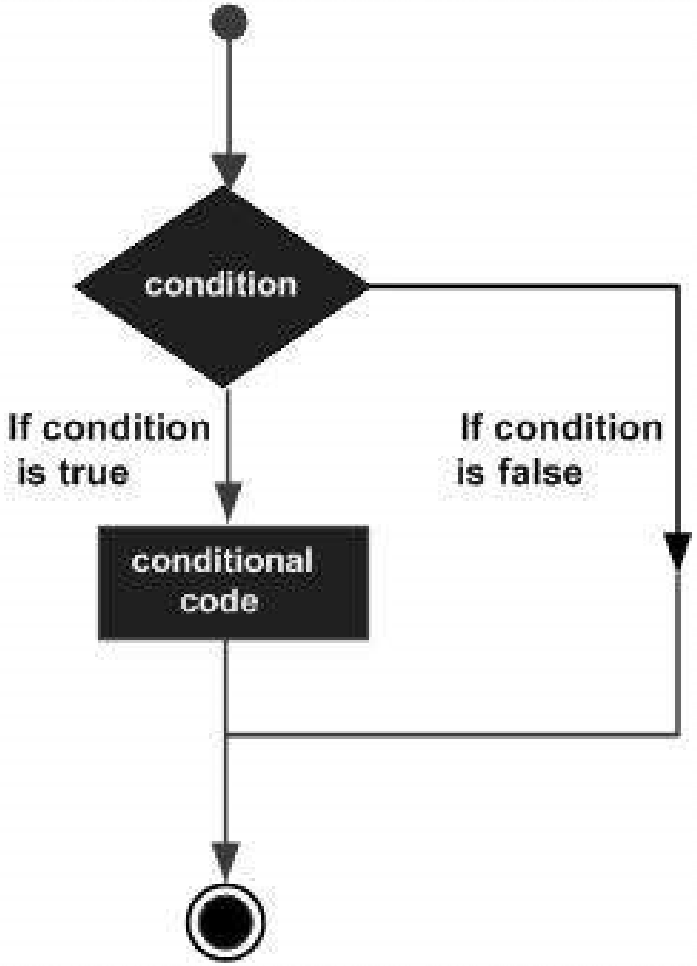
R for Data Scientists

Dr Sainath S Pawaskar – spawaskar@gmail.com

Decision Making



https://www.tutorialspoint.com/r/r_decision_making.htm

if Statement

- if(boolean_expression) {

  // statement(s) (boolean expression is true).

  }

if … else Statement

- if(boolean_expression) {

  // statement(s) (boolean expression is true).

  } else {

  // statement(s) (boolean expression is false).

  }

if … else if … else

- To test many conditions
  - if(boolean_expression 1) {

    // statement(s) (boolean expression 1 is true).

    } else if(boolean_expression 2) {

    // statement(s) (boolean expression 2 is true).

    } else if(boolean_expression 3) {

    // statement(s) (boolean expression 3 is true).

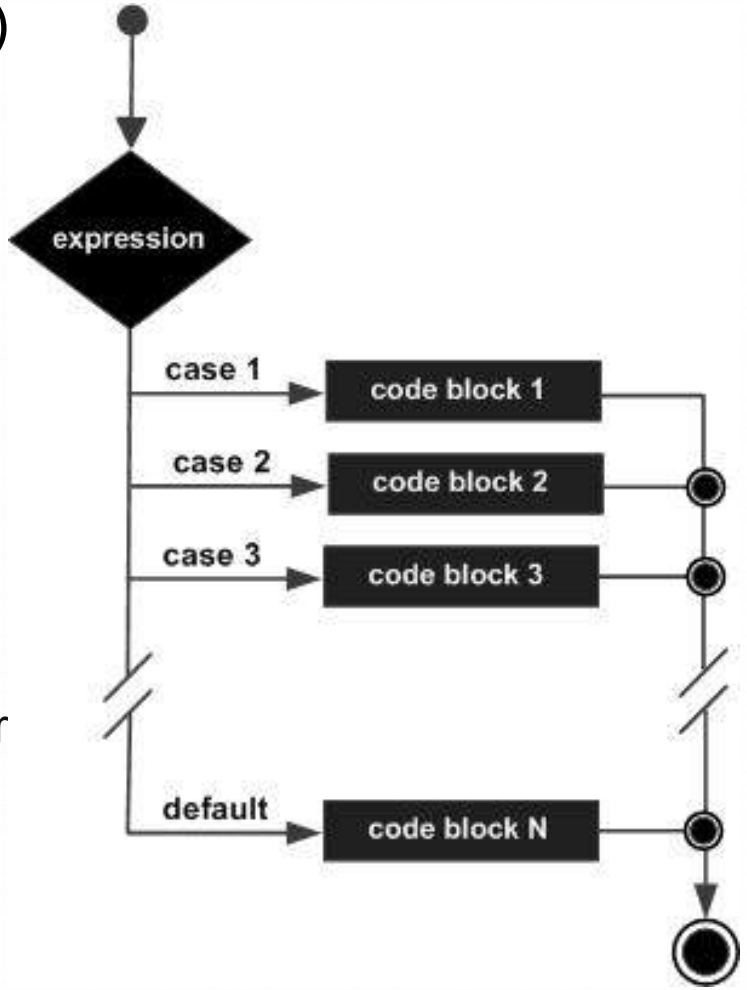
    } else {

    // statements (none of the above condition is true).

    }

switch Statement

- switch(expression, case1, case2, case3….)
  - Variable/expression is tested for equality against many values
    - If expression is numeric, that item of the list is returned (NULL if outside bounds)
    - If the expression is a string, value of the matched item name is returned
    - More than one match; first item is returned
    - No match; unnamed (default) element is returned if it exists.
      - More than one unnamed elements; error
    - Each value is called a case



https://www.tutorialspoint.com/r/r_switch_statement.htm