

CS105 Excel Functions

Arithmetic Functions

=AVERAGE(number1, [number2], ...)
=AVERAGEIFS(average_range, criteria_range1, criterial, ...)
=SUM(number1, [number2], ...)
=SUMIFS(sum_range, criteria_range1, criterial, ...)
=MIN(number1, [number2], ...)
=MAX(number1, [number2], ...)

Counting

=COUNT(value1, [value2], ...)
=COUNTIFS(criteria_range1, criterial, ...)
=COUNTA(value1, [value2], ...)
=COUNTBLANK(range)

Dates

=TODAY()
=DAYS(end_date, start_date)
=YEAR(serial_number)

Boolean Logic

=AND(logical1, [logical2], ...)
=OR(logical1, [logical2], ...)
=NOT(logical)

If Conditional

=IF(logical_test, [value_if_true], [value_if_false])

Index/Match

=INDEX(array, row_num, [column_num])
=MATCH(lookup_value, lookup_array, [match_type])

VLookup

=VLOOKUP(lookup_value, table_array, col_index_num, [range_lookup])

Random Number Function

=RAND()
=RANDBETWEEN(top, bottom)

MISC

=MOD(number, divisor)
=ROW([reference])
=COLUMN([reference])
=ISBLANK(value)
=CONCATENATE(text1, [text2], ...) not on midterm
=TRIM(ref) not on midterm
=LEFT(text, [num_chars]) not on midterm
=ISNA(ref) not on midterm

