Algorithm

Method name: - Logistic Regression to multiple variables

1)Hypothesis

Where

2) Cost Function

3) Gradient Descent (to minimize cost function)

repeat

{

For all values of j = (0 to n)

}

Gradient descent for n=1 for

Gradient descent for (n>1)

Repeat

{

}

Graph

Here learning rate is 0.1 to get a good result we need to consider at least 10 random points.

with coordinates (), (), …, () [take point values only for past 1 to 2 years]

Repeat

{

for all other values of points such that y coordinate is same as a point above and x might change.

Compare values of to be bear same as all other possible.

Take average of point of same range.

}