15000 (1.5 10,000s)🡪 -1.6388

75000 (7.5 10,000s) 🡪 5.1876

Como hacer lo del Surface:

theta0 = linspace(-10, 10, 20)

theta1 = linspace(-1, 4, 20)

theta(:, 1)= theta0

theta(:, 2)= theta1

datos = load("data-p1/ex1data1.txt");

X(:,1) = 1

X(:,2) = datos(:, 1)

theta = theta’

#calculo de las J

for i = 1:20

for j = 1:20

tmp(1,1)=theta(1,i);

tmp(2,1)=theta(2,j);

J(i,j)=(1/(2\*rows(datos)))\*((X\*tmp)-Y)'\*((X\*tmp)-Y)

endfor

endfor

surface(theta(1,:),theta(2,:),J)