Task1

Formül : y'=b+wx

Burada b=275 ve w=90. Dolayısıyla model denklemi:

y'=275+90x

Task 2 - 3

Deneyim Yılı (x)	Maaş (y)	Maaş Tahmini (y')	Hata (y-y')	Hata Kareleri	Mutlak Hata (y-y')
5	600	275+90×5=72 5	-125	15625	125
7	900	905	-5	25	5
3	550	545	5	25	5
3	500	545	-45	2025	45
2	400	455	-55	3025	55
7	950	905	45	2025	45
3	540	545	-5	25	5
10	1200	1175	25	625	25
6	900	815	85	7225	85
4	550	635	-85	7225	85
8	1100	995	105	11025	105
1	460	365	95	9025	95
1	400	365	35	1225	35
9	1000	1085	-85	7225	85
1	380	365	15	225	15

MSE, RMSE ve MAE Hesaplamaları

MSE:

(1/15)*(15625+25+25+2025+3025+2025+25+625+7225+7225+11025+9025+1225+7225+25) = (1/15)*56750 = 3783.33

RMSE : square_root(3783.33) = 61.51

MAE: (1/15) * (125+5+5+45+55+45+5+25+85+85+105+95+35+85+15) = (1/15) * 820 = 54.67