## Honework 3 - Linear Regression

Assume all neights start at 0

1) New neights after 1 iteration? Dug = (t-net) X: C=.2

X,	X2	bas	target	net	25401	Dwz	003
.3	.8		.7	0	.042	.112	.14
3	1.6	-1		. 1932	. 017592	093924	03964
. 9	0	11	1.3	1349928			.230044 A

.2 (,7-0)=.14

Dw. = . 14(.3) = ,042

9999999999999999999999999

DW = 14(.8) = 11/2

Dw3=.14(1)=.14

Wil	We	103	
0	0	0	V
.042	1112	014	K
. 0595421	-013176	OK136	
261 2933	.019176	. 314361	441

netz=3(.042)+1,6(.112)+1(.14)	= 6126 + . 1792 + . 14 = . 1932
.2(11932) =	05864

DW = -,05864(-.3) = ,017592

DW32 -105864(1) = - . 05864

△wz -- ,05864 (1.6) = -,093824

$$net_3 = .9(.059592) + 0(.018176) + 1(.04136) = .0536328 + .08136 = .1349928$$
  
.2(1.3 - .1349928) = .23300194

Δω, -. 23300144(.9) = .2697013 Δω3 -. 23300144(1) =. 23300144

DW2 = . 23300144 (0) = 0