

The background of the slide is a light green color with a subtle, repeating pattern of hexagons. A white rectangular box is positioned on the right side of the slide, containing the title text. The top portion of this box is a solid dark grey color. A thin, bright green horizontal line is located at the bottom edge of the white box.

# Statistica al lavoro

"He uses statistics as a drunken man  
uses lampposts - for support  
rather than illumination"  
Andrew Lang





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	A(Y)	B(Y)
Long Name		
Units	sec	sec
Comments	CTL	Ozone
1	3.6	5.2
2	5.7	6.5
3	3.2	5.3
4	3.1	6.1
5	5.3	5.0
6	5.0	6.4
7	3.9	6.0
8	3.4	5.5
9	5.0	5.1
10	5.5	4.8



### Notes

X-Function	Paired Sample t Test
User Name	Otto
Time	02/11/2016 17:26:29

### Input Data

	Data	Range
1st Data Range	[Book2]Sheet1!A	[1*:10*]
2nd Data Range	[Book2]Sheet1!B	[1*:10*]

### Descriptive Statistics

	N	Mean	SD	SEM
A	10	4.38041	1.02759	0.32495
B	10	5.59235	0.62191	0.19667
Difference		-1.21194		

### Test Statistics

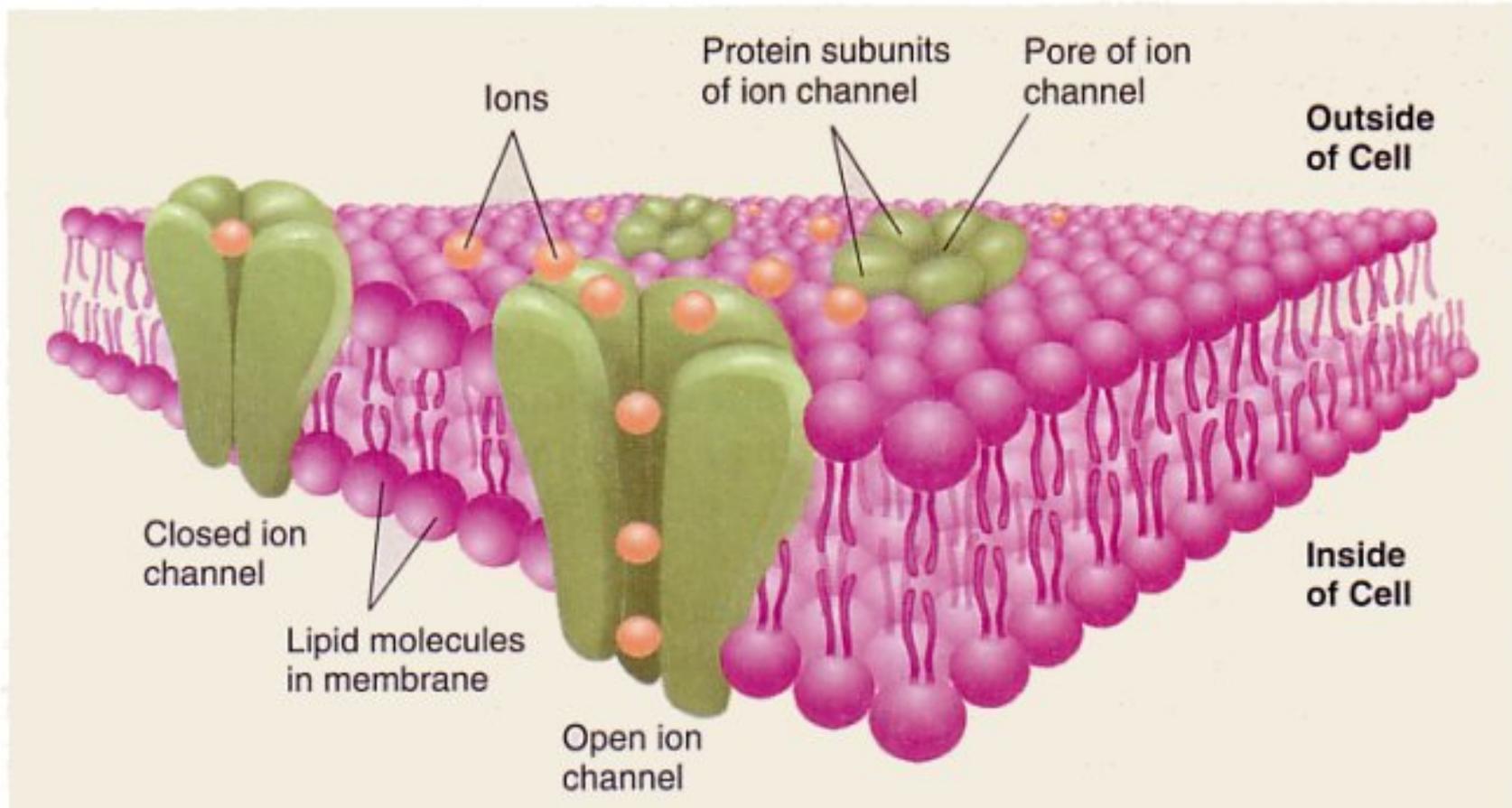
	t Statistic	DF	Prob> t
	-3.11342	9	0.01245

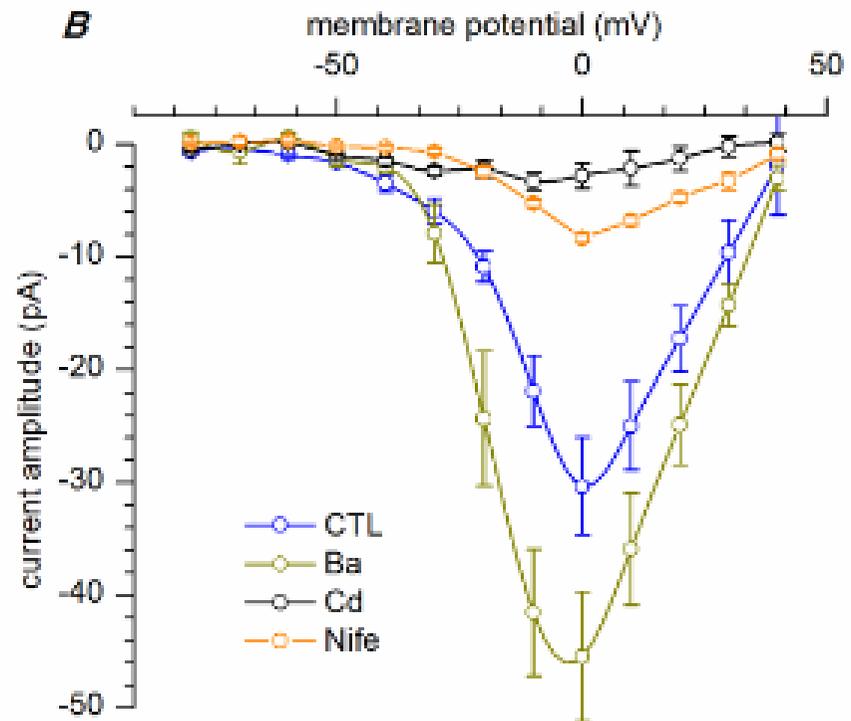
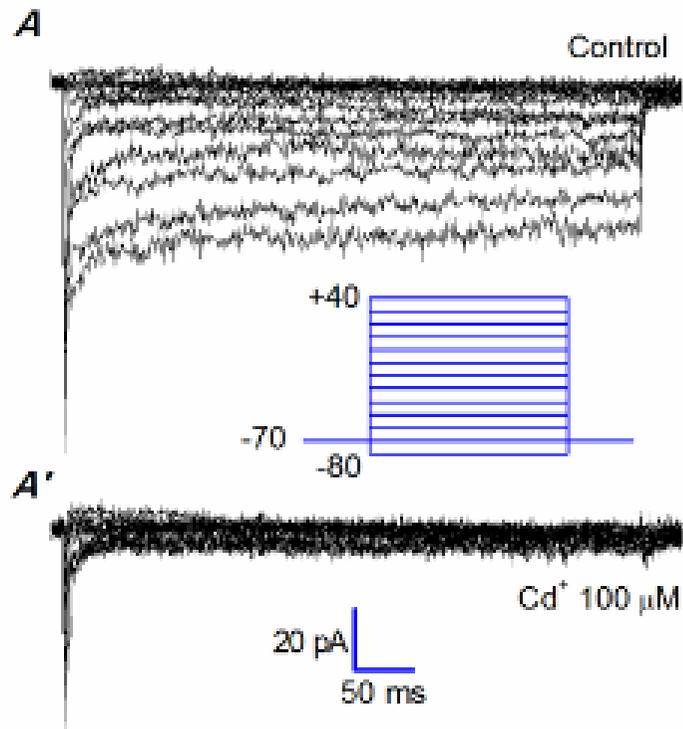
Null Hypothesis: mean1-mean2 = 0

Alternative Hypothesis: mean1-mean2 <> 0

At the 0.05 level, the difference of the population means is significantly different with the test difference(0)

Ion channels. When they are open, ions can pass through them, entering or leaving the cell.

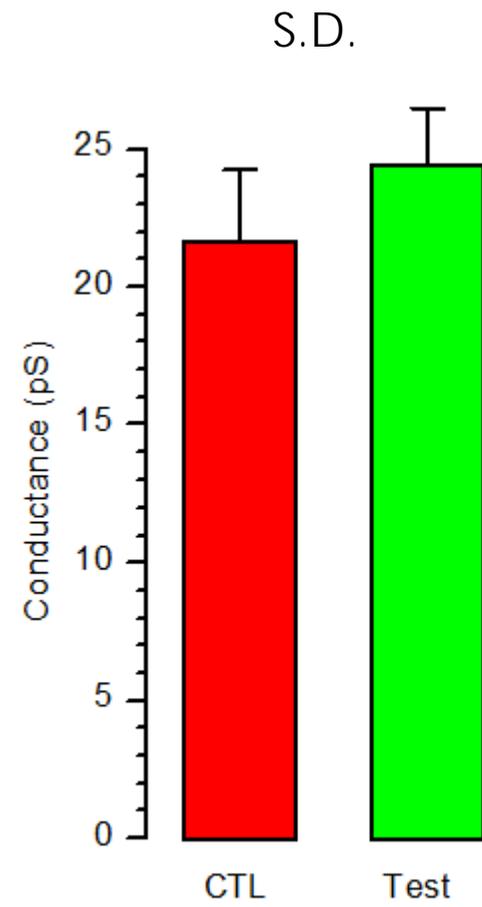
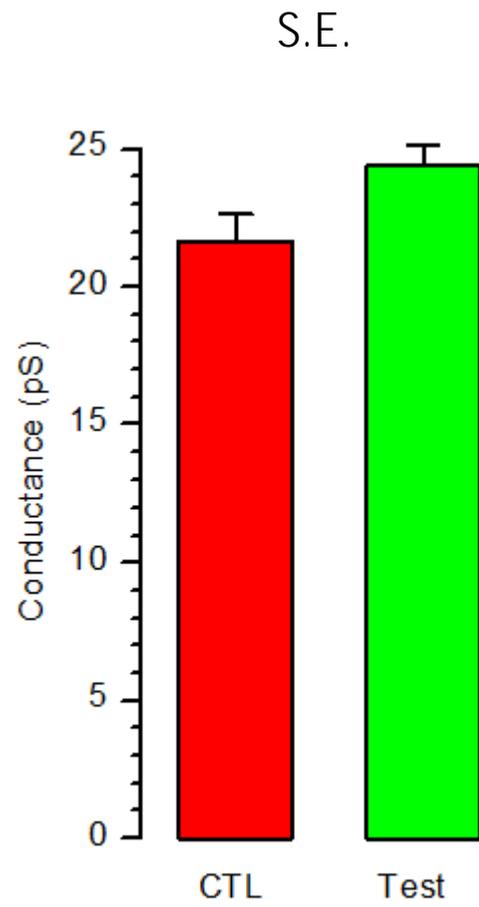


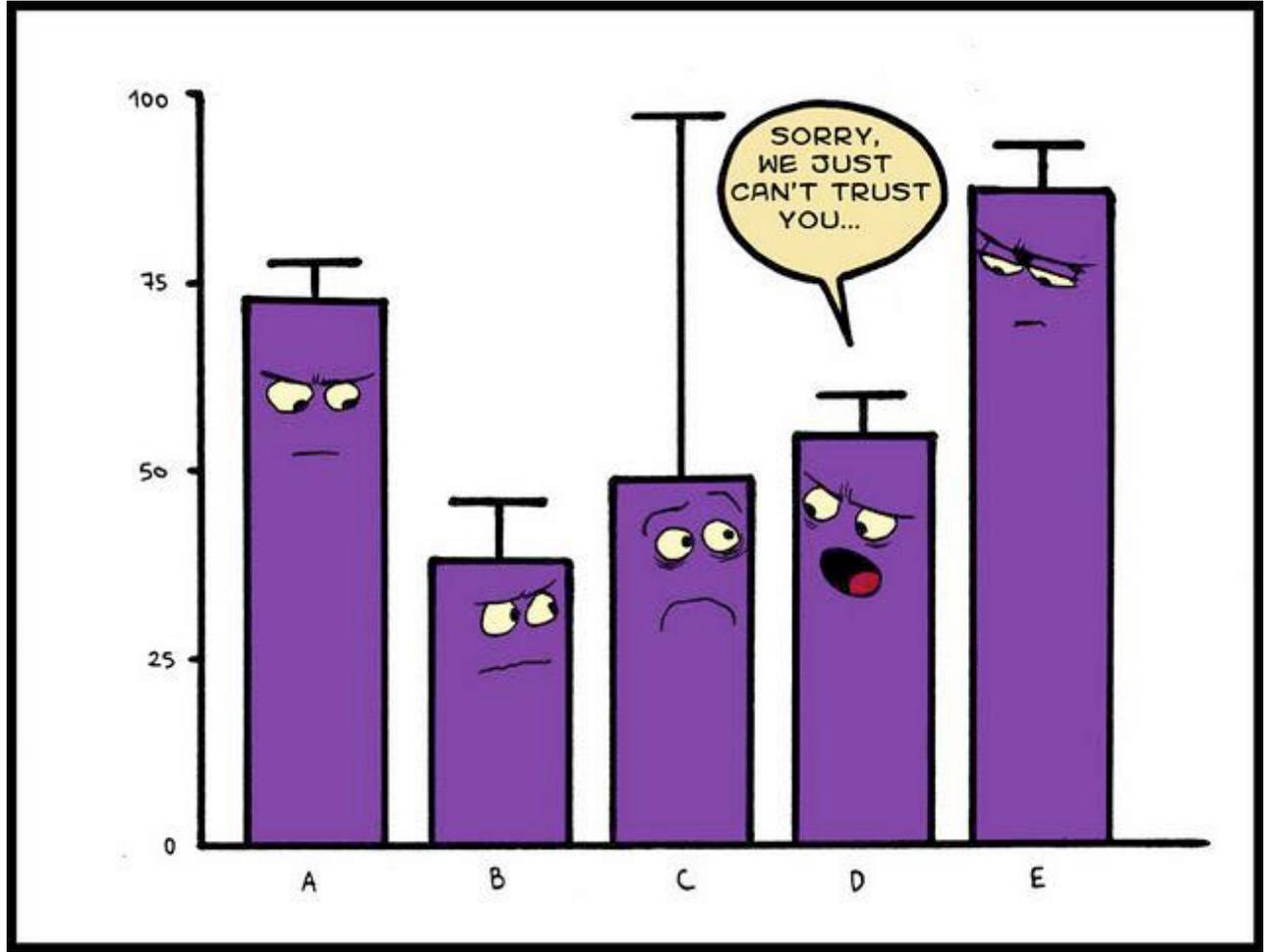


## Dati di partenza (n=7)

	CTL(Y)	Test(Y)
Long Name		
Units		
Comments		
1	24.20312	20.35988
2	22.75639	27.40887
3	18.65462	23.71365
4	20.47086	24.91592
5	25.82372	25.46819
6	19.35893	24.38955
7	20.00294	26.14283







Paired Sample t Test (01/11/2016 21:12:49)

Notes

X-Function	Paired Sample t Test
User Name	Otto
Time	01/11/2016 21:12:49

Input Data

	Data	Range
1st Data Range	[Book1]Sheet1!CT	[1*:7*]
2nd Data Range	[Book1]Sheet1!Te	[1*:7*]

Descriptive Statistics

	N	Mean	SD	SEM
B	7	21.66057	2.5901	0.97897
C	7	24.39536	2.06876	0.78192
Difference		-2.73479		

Test Statistics

t Statistic	DF	Prob> t
-2.23266	6	0.06702

Null Hypothesis: mean1-mean2 = 0

Alternative Hypothesis: mean1-mean2 <> 0

At the 0.05 level, the difference of the population means is NOT significantly different with the test difference(0)

## Dati di partenza (n=11)

	CTL(Y)	Test(Y)
Long Name		
Units		
Comments		
1	24.20312	20.35988
2	22.75639	27.40887
3	18.65462	23.71365
4	20.47086	24.91592
5	25.82372	25.46819
6	19.35893	24.38955
7	20.00294	26.14283
8	18.50387	27.18224
9	22.71913	19.92831
10	20.16058	25.81272
11	22.31848	23.66464

## Paired Sample t Test (02/11/2016 14:08:26)

### Notes

X-Function	Paired Sample t Test
User Name	Otto
Time	02/11/2016 14:08:26

### Input Data

	Data	Range
1st Data Range	[Book1]Sheet1!CTL	[1*:11*]
2nd Data Range	[Book1]Sheet1!Test	[1*:11*]

### Descriptive Statistics

	N	Mean	SD	SEM
CTL	11	21.36115	2.37225	0.71526
Test	11	24.45335	2.46036	0.74183
Difference		-3.0922		

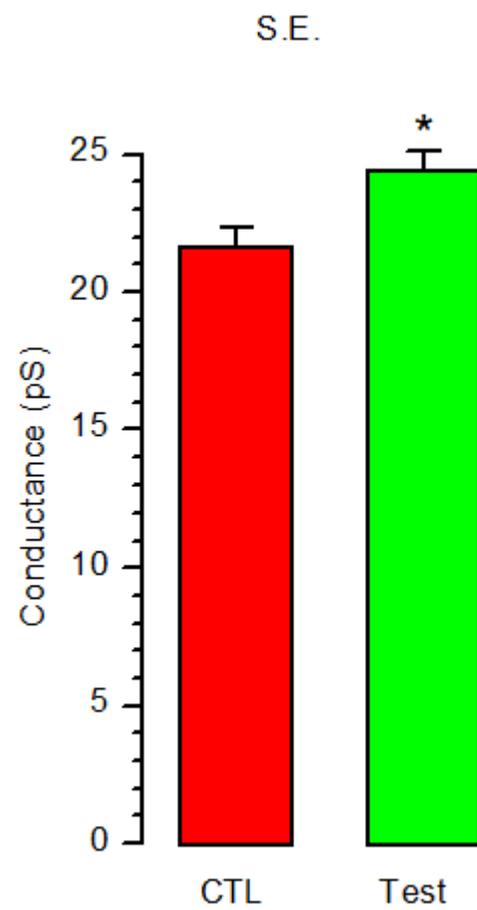
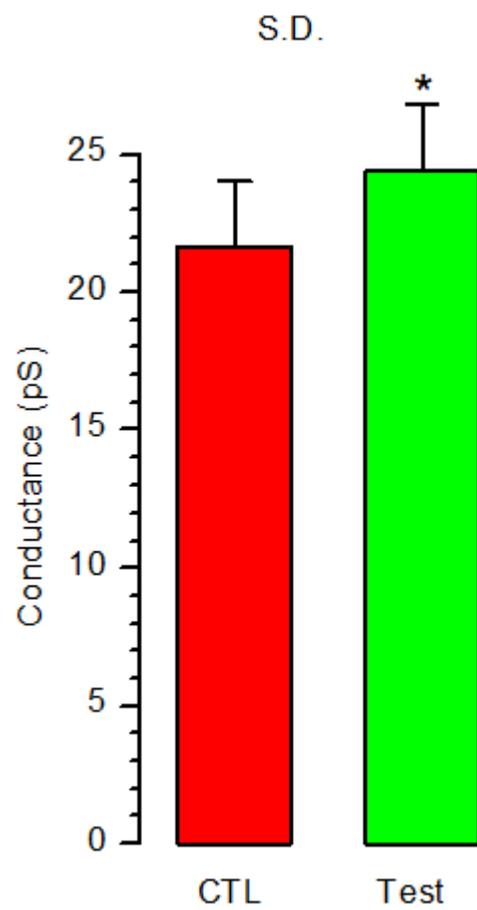
### Test Statistics

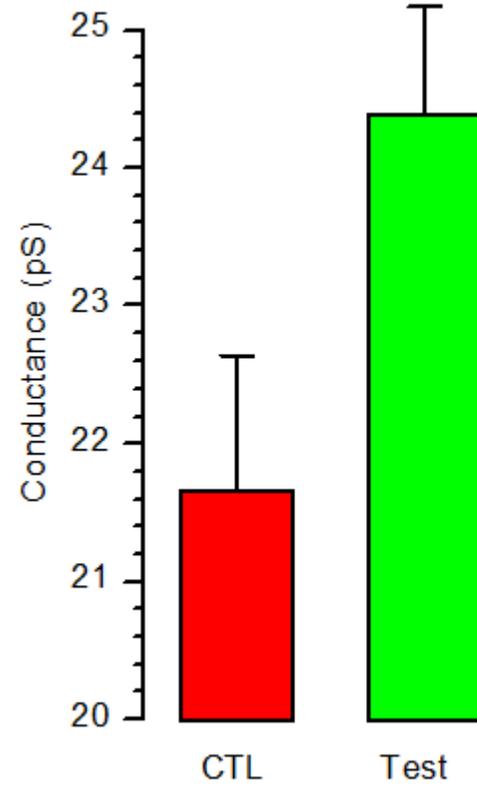
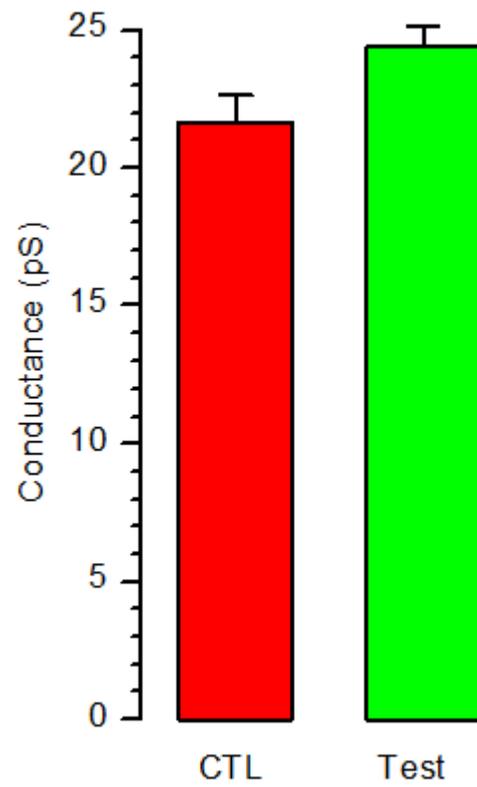
	t Statistic	DF	Prob> t
	-2.59174	10	0.02687

Null Hypothesis: mean1-mean2 = 0

Alternative Hypothesis: mean1-mean2 <> 0

At the 0.05 level, the difference of the population means is significantly different with the test difference(0)







\$45,000



\$15,000



\$10,000

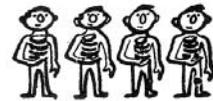


**← ARITHMETICAL AVERAGE**

\$5,700



\$5,000



\$3,700



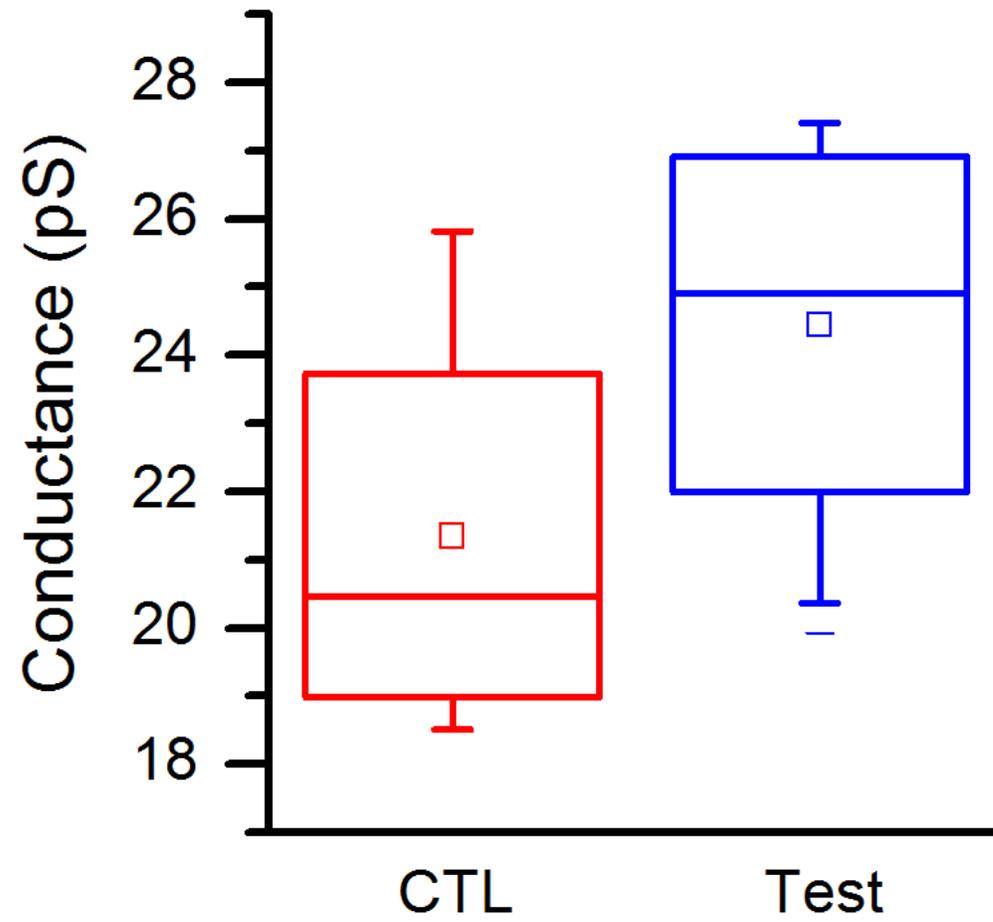
**← MEDIAN** (the one in the middle)  
(12 above him, 12 below)

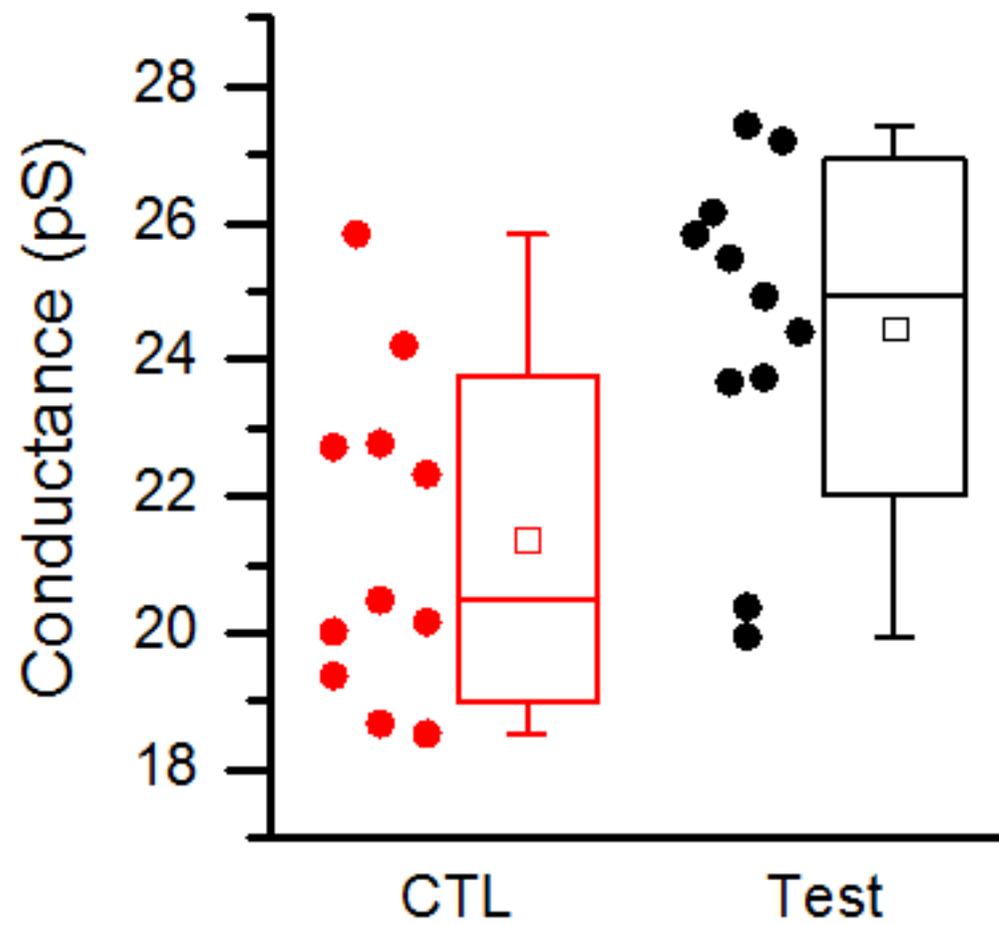
\$3,000

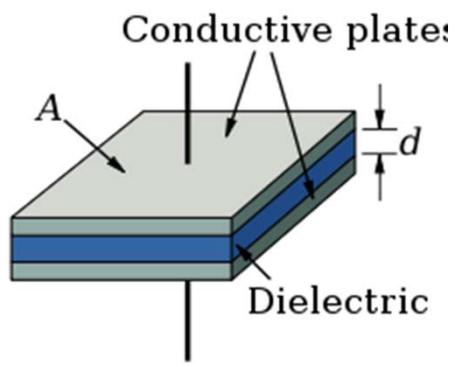
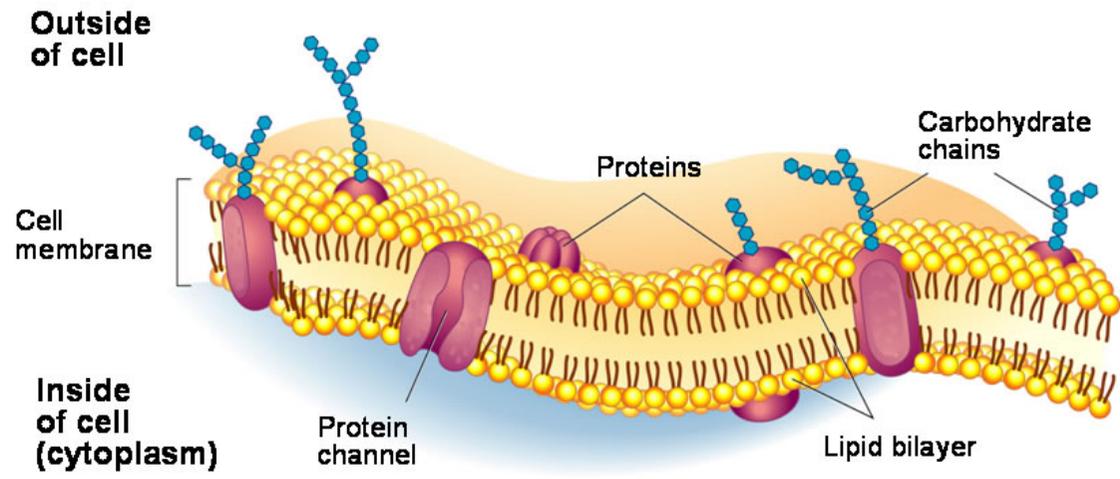


\$2,000

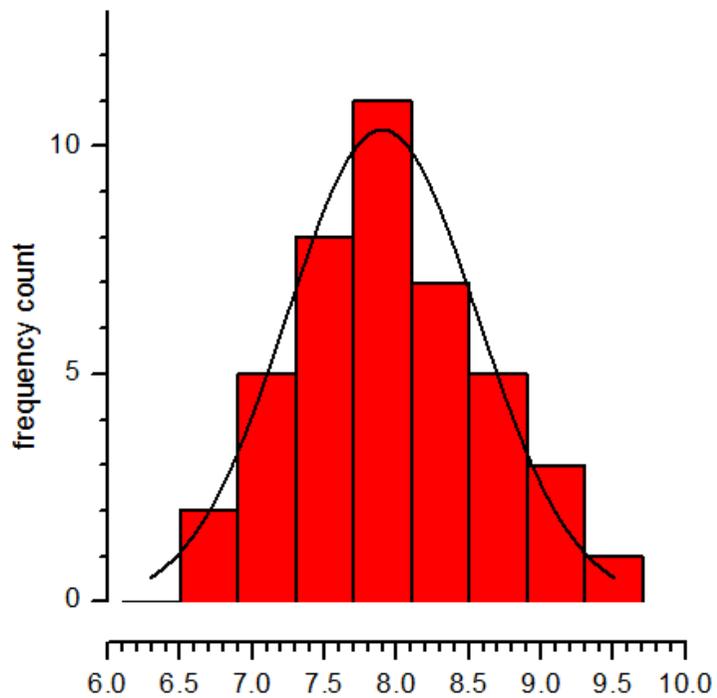
**← MODE**  
(occurs most frequently)



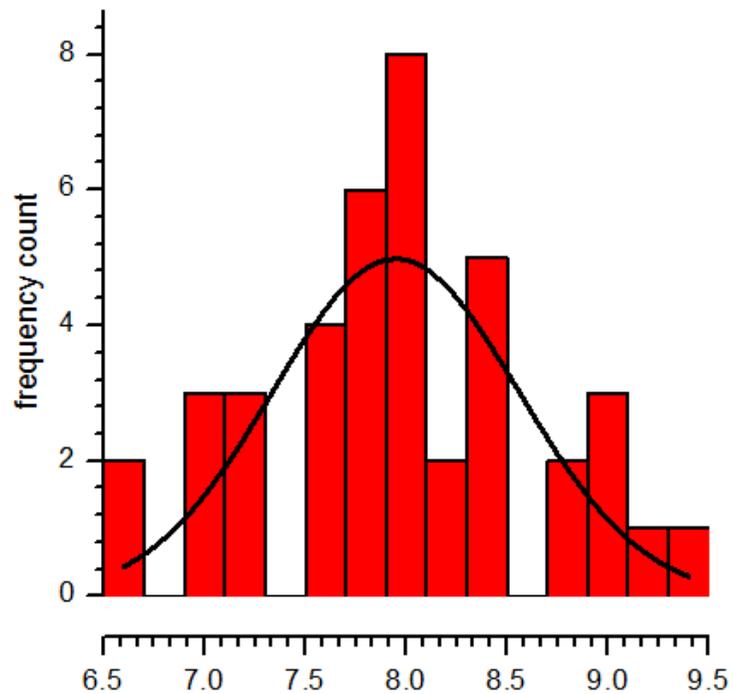




	B(Y)
Long Name	
Units	pF
Comments	
1	8.02
2	8.18
3	8.01
4	7.18
5	7.74
6	7.75
7	6.58
8	9.04
9	7.22
10	8.34
11	7.54
12	7.90
13	7.59
14	8.15
15	6.94
16	7.00
17	7.74
18	8.09
19	9.32
20	8.42



Model	Gauss		
Equation	$y=y_0 + (A/(w*\sqrt{\pi/2})) * \exp(-2*((x-xc)/w)^2)$		
Reduced Chi-Sqr	1.20751		
Adj. R-Square	0.9164		
		Value	Standard Error
D	y0	0	0
D	xc	7.89867	0.05785
D	w	1.31793	0.11625
D	A	17.12279	1.30386
D	sigma	0.65897	
D	FWHM	1.55175	
D	Height	10.36624	



Model	Gauss		
Equation	$y=y_0 + (A/(w*\sqrt{\pi/2})) * \exp(-2*((x-xc)/w)^2)$		
Reduced Chi-Sqr	3.98155		
Adj. R-Square	0.26007		
		Value	Standard Error
Count	y0	0	0
Count	xc	7.94739	0.1492
Count	w	1.22106	0.30403
Count	A	7.62414	1.62389
Count	sigma	0.61053	
Count	FWHM	1.43769	
Count	Height	4.98189	

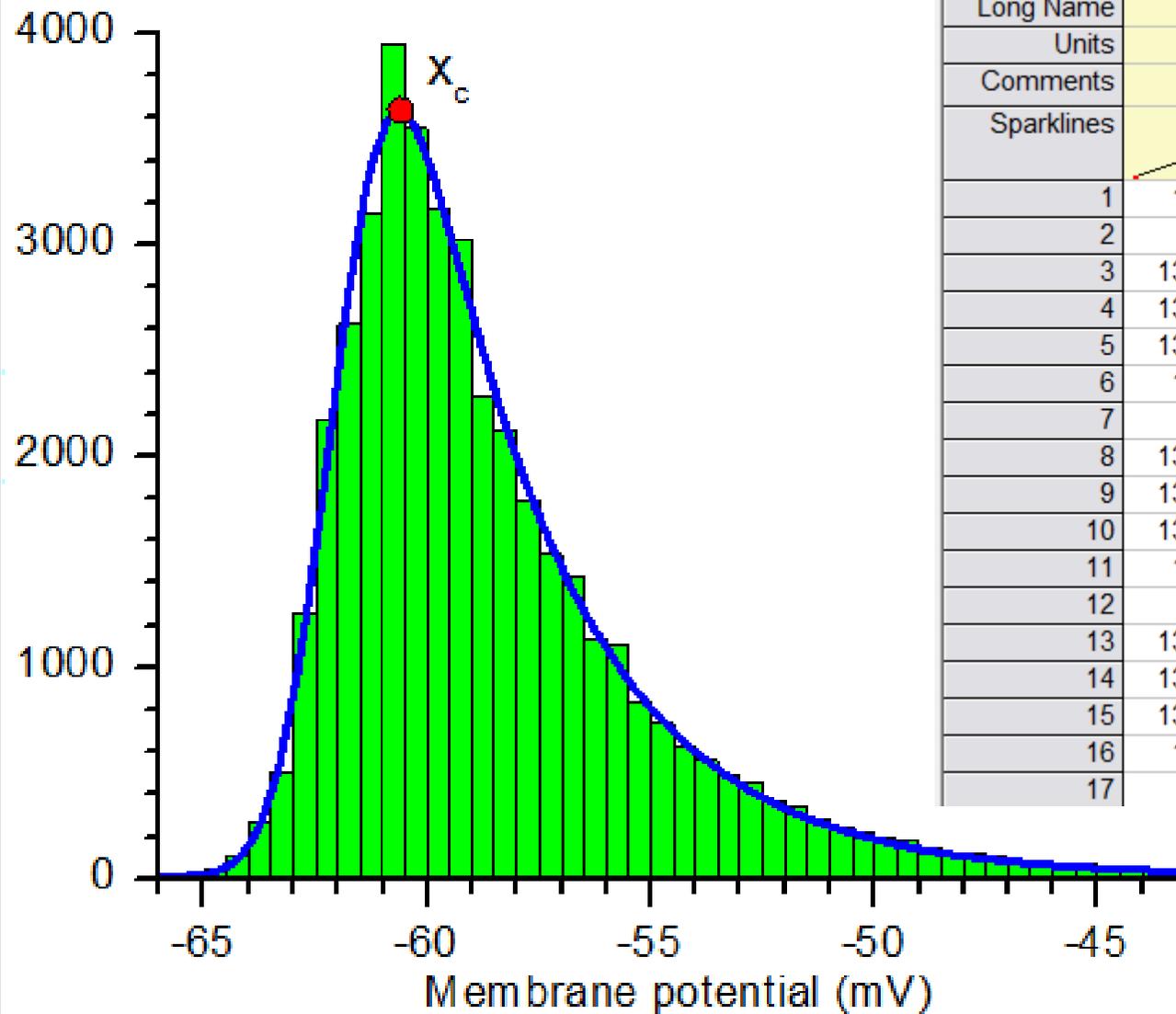
A

10 mV |  
100 ms

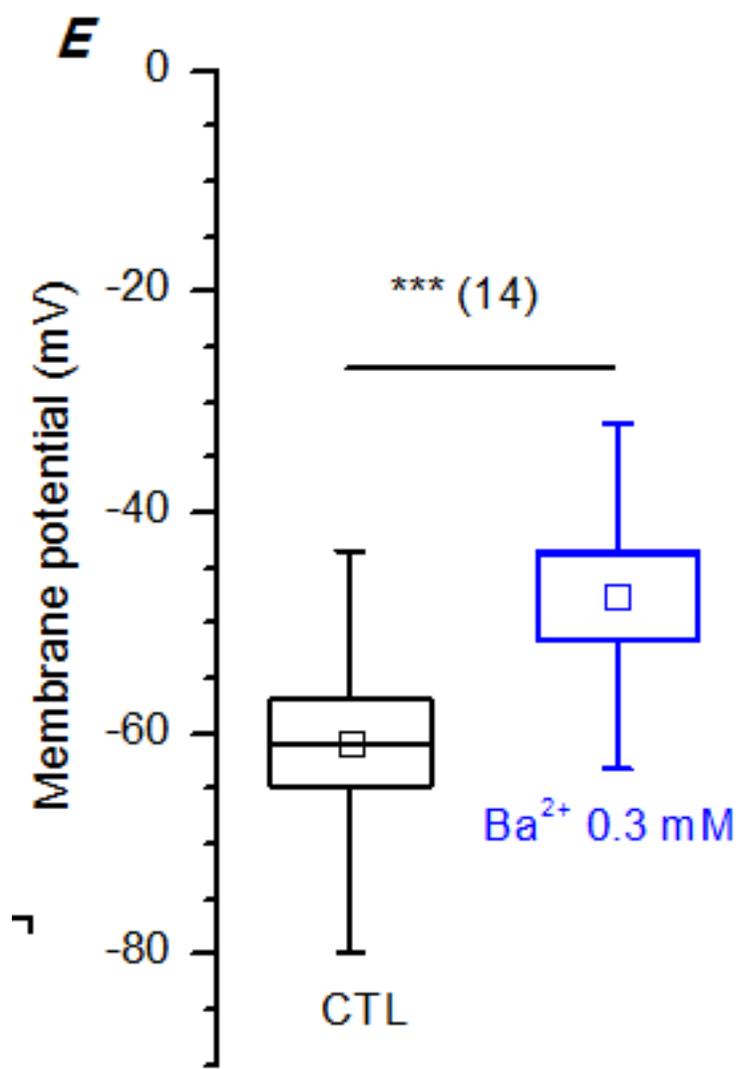


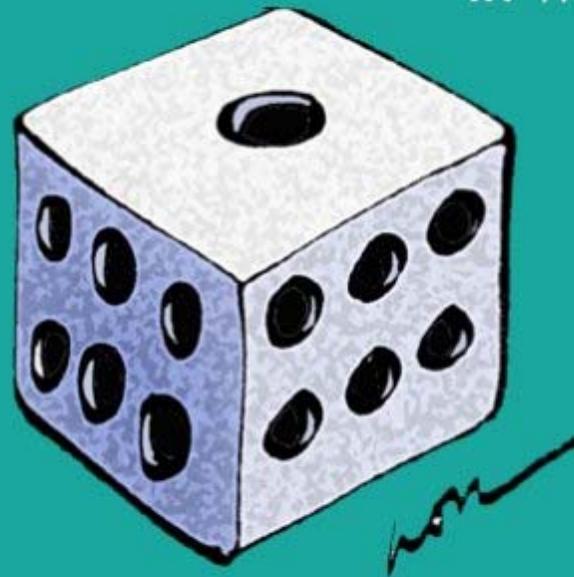
Sampling 5 KHz

60" = 300.000 punti



	Time(X1)	Ch0(Y#)
Long Name		Vmemb
Units	ms	mV
Comments		Vmemb
Sparklines		
1	139948.8125	-40.79712
2	139949	-40.7666
3	139949.20313	-40.9497
4	139949.40625	-40.70556
5	139949.60938	-40.64453
6	139949.8125	-40.61401
7	139950	-40.7666
8	139950.20313	-40.70556
9	139950.40625	-40.67505
10	139950.60938	-40.67505
11	139950.8125	-40.58349
12	139951	-40.55297
13	139951.20313	-40.64453
14	139951.40625	-40.61401
15	139951.60938	-40.52246
16	139951.8125	-40.52246
17	139952	-40.64453





Do not put your faith  
in what statistics say  
until you have  
carefully  
considered  
what they  
do not say.

William W. Watt

 online-behavior.com