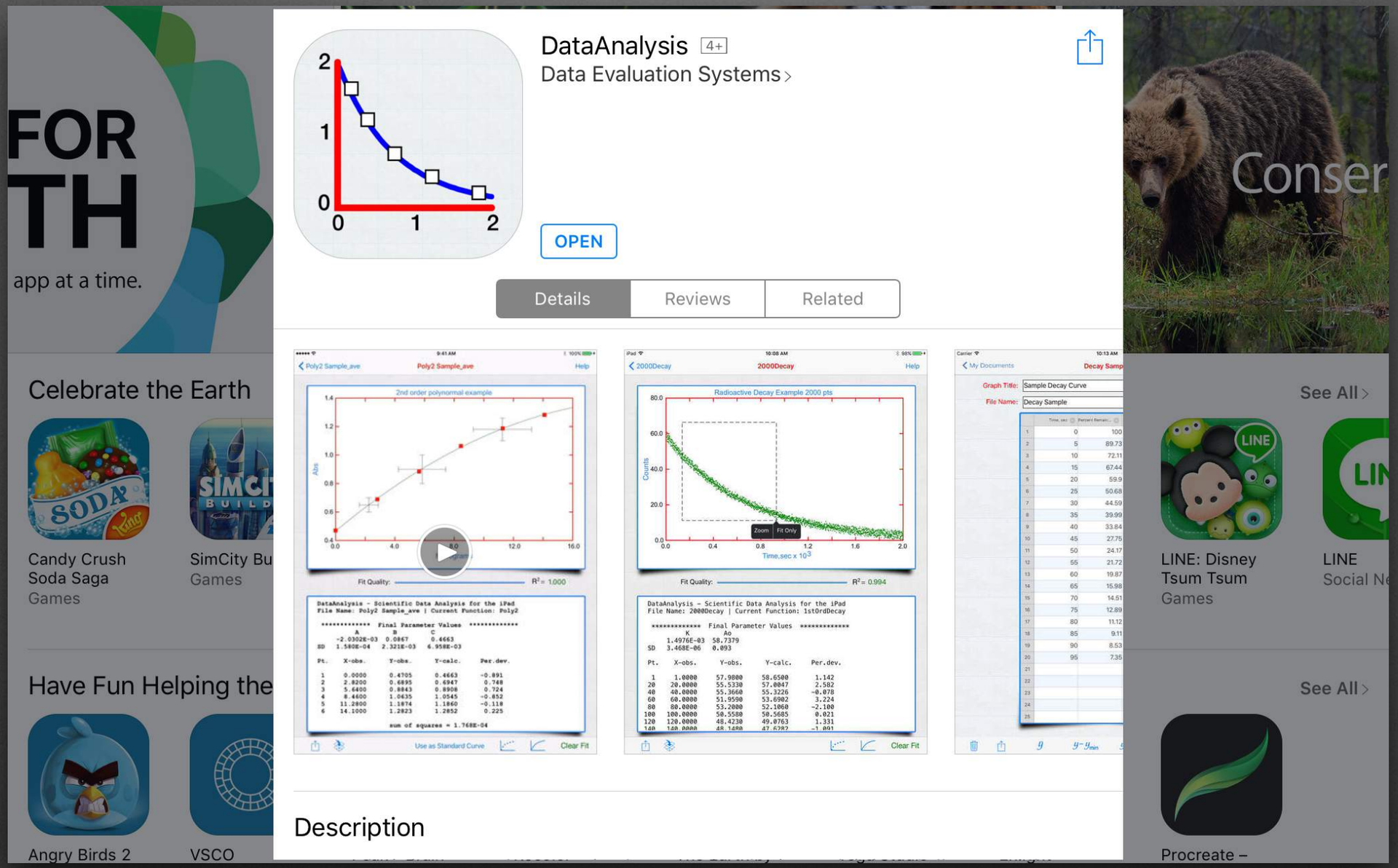
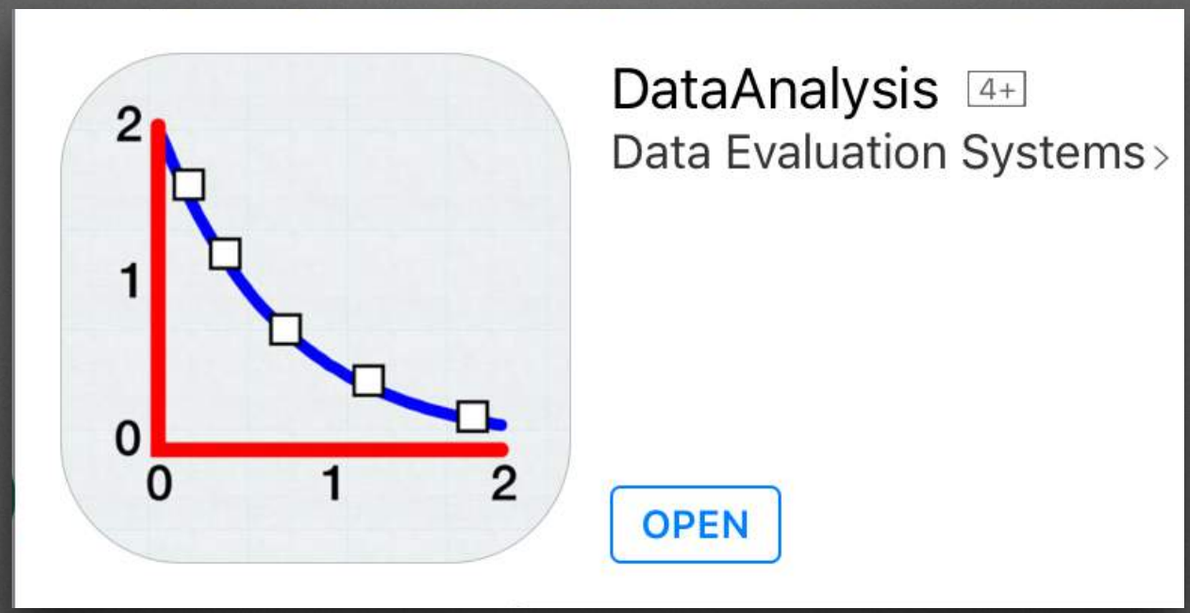


Use of DataAnalysis app

Jan 2016 Ang JL@nygh



Download free app

DataAnalysis

- by Data Evaluation Systems
- https://appsto.re/sg/Rk0yw.i

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My Documents

PR9 graph class name

Help

Graph Title: Graph of R against length

Number of Points: 3

File Name: PR9 graph class name

Last Modified: Apr 17, 2016

Indicate your class & name

	x	R / ohm		
1	0.11	0.22		
2	0.23	0.53		
3	0.425	1.32		
4				
5				
6				
7				
8				
9				
10				
16				
17				

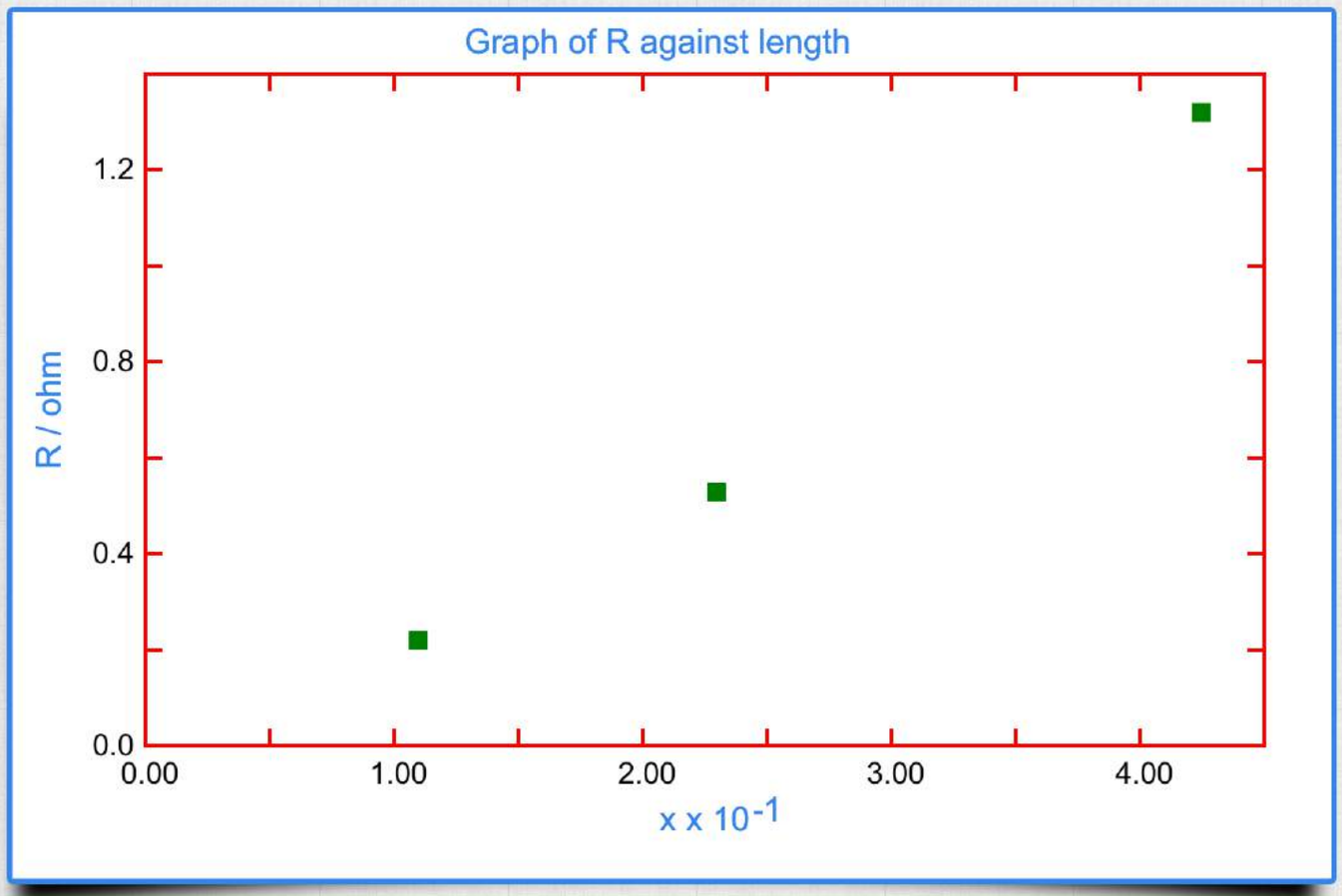
Indicate header with units

Key in x values in the first column

Plot the points

◄ ► x 10 Tab Plot

1 2 3 4 5 6 7 8 9 0



Fit Quality: $R^2 = 0$

Current Parameters Number of Data Points: 3

m

b

Current Function: Linear

$$y = mx + b$$

Least-Squares Algorithm

Marquardt | Newton

Cycles: 10

Graph options

Test Parameters Fit

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PR9 graph class name

PR9 graph class name

Help

Graph of R

R / ohm

1.2

0.8

0.4

0.0

0.00 1.00 2.

Graph Options Help

Connect Points

Force X axis to zero

Force Y axis to zero

None

Symbol Size:

Fit Quality:

X Label: x

Y Label: R / ohm

Title: Graph of R against length

Current Parameters Number of Dat

m

b

Check origin is shown on graph

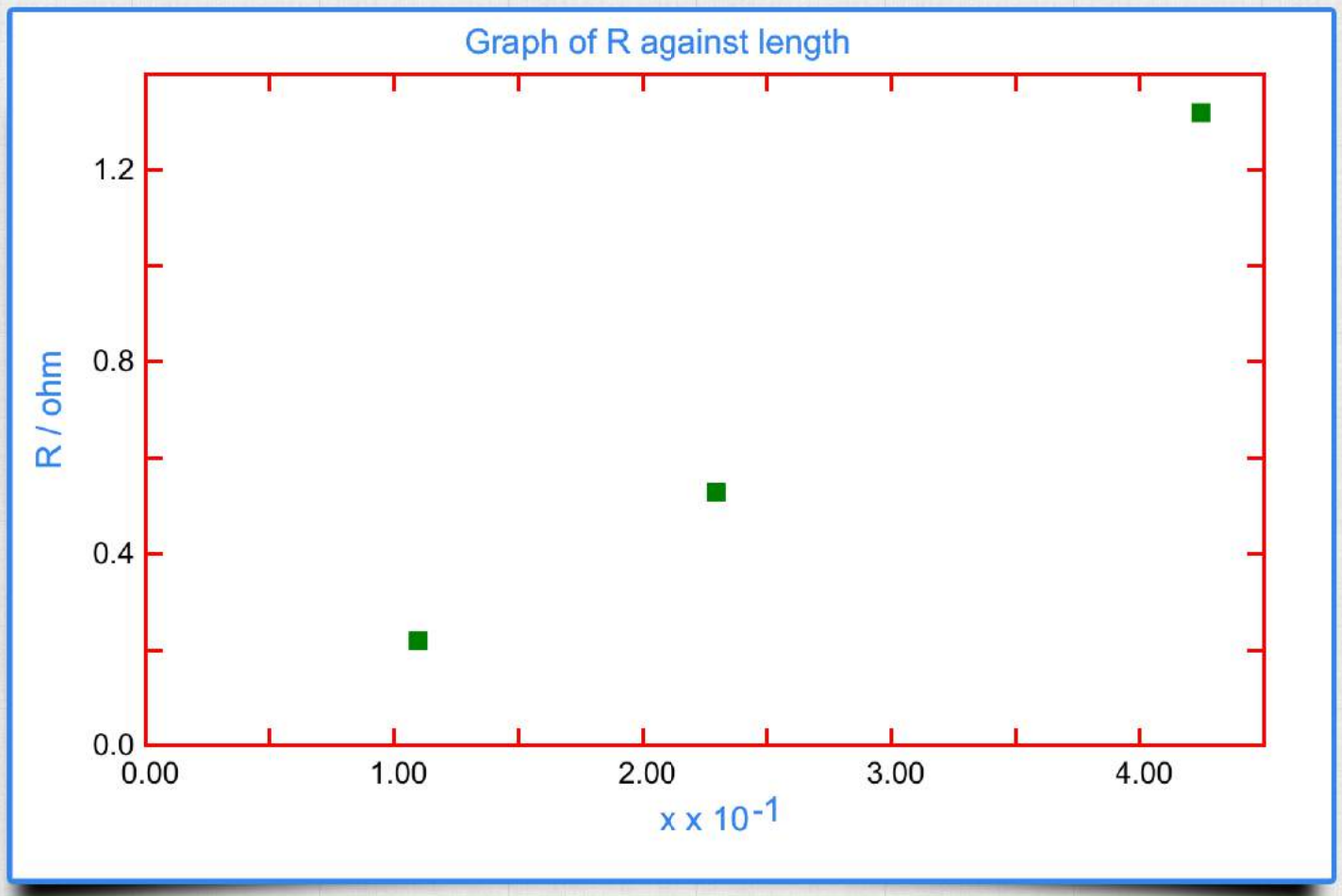
Check axes labels with units

q w e r t y u i o p

a s d f g h j k l return

z x c v b n m ! ? .

.?123 .?123



Fit Quality: $R^2 = 0$

Current Parameters Number of Data Points: 3

m

b

Current Function: Linear

$$y = mx + b$$

Least-Squares Algorithm

Marquardt | Newton

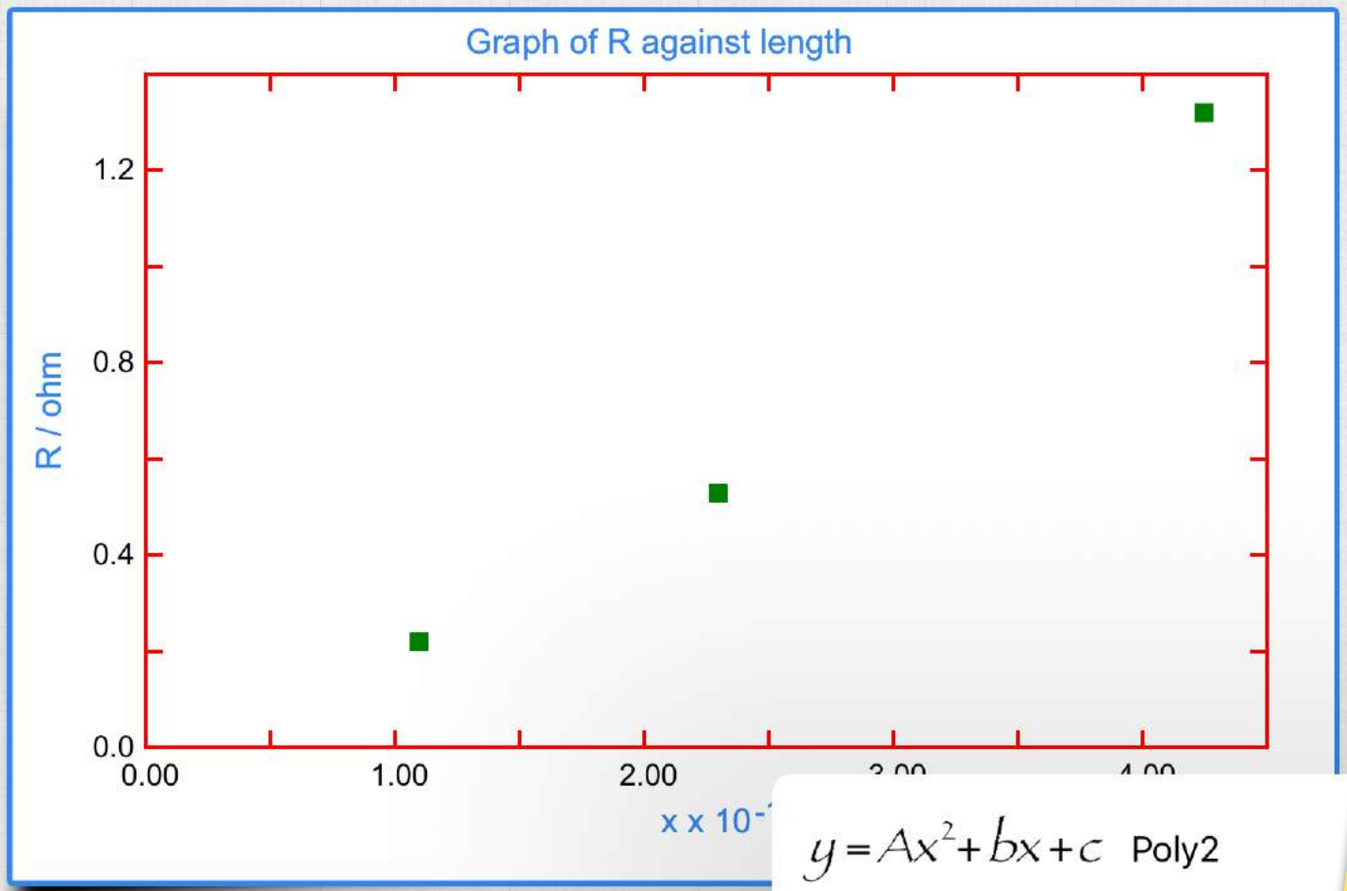
Cycles: 10

Type of graph

Test Parameters Fit

Back to App Store 7:52 PM 58%

PR9 graph class name | PR9 graph class name | Help



Fit Quality:

Current Parameters Number of Data Points:

m

b

Current Function: Linear

$y = mx + b$

Cycles:

$y = Ax^2 + bx + c$ Poly2

$y = Ax^2 + bx$ PolyAB

$y = mx + b$ Linear ✓

$y = Ax^3 + bx^2 + cx + d$ Poly3

$y = A + B\log(x)$ Log

$y = Ax^B$ Power

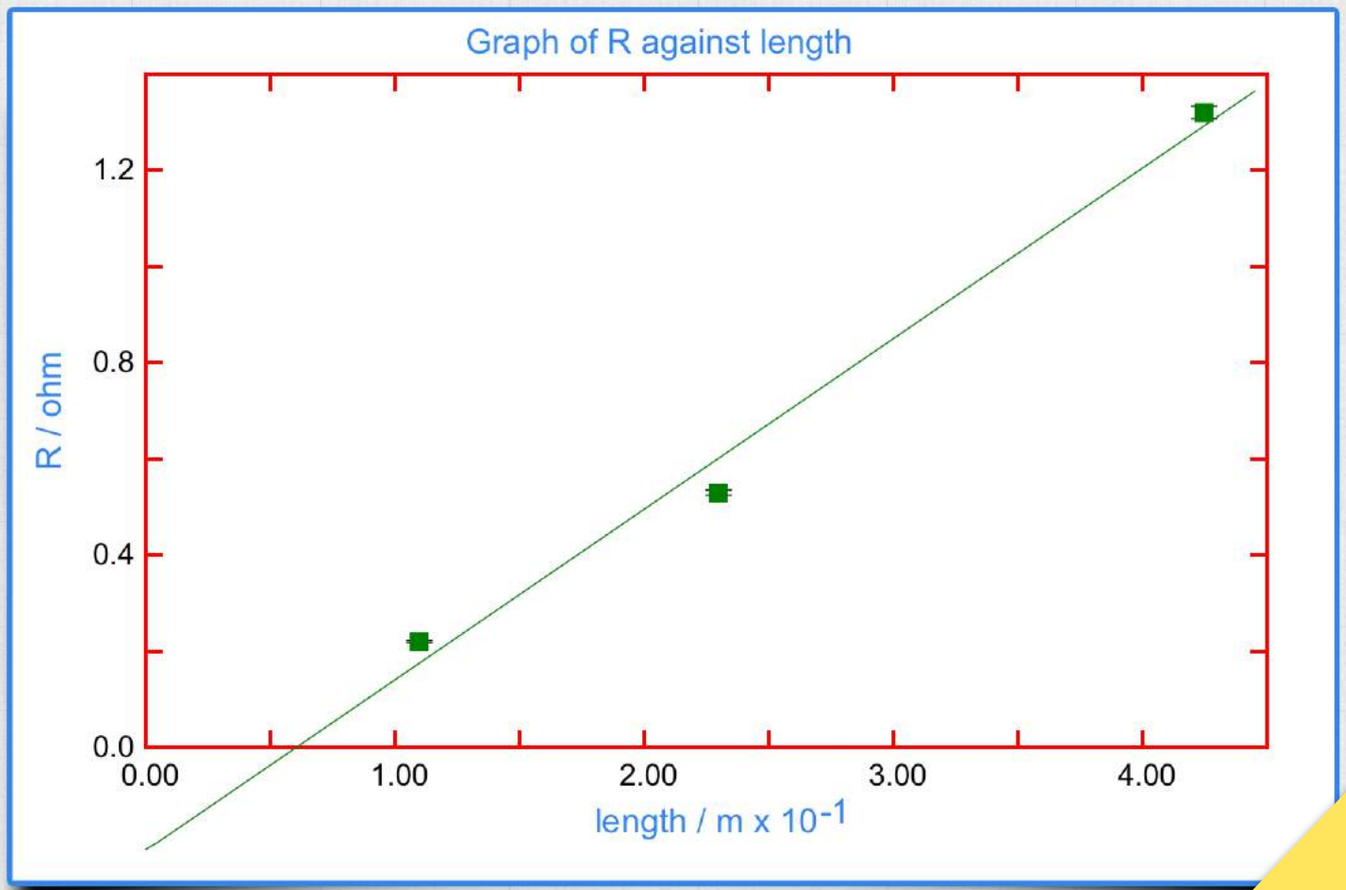
Test Parameters Fit

Select linear graph

Plot the graph

Back to App Store 7:53 PM 57%

PR9 graph class name | **PR9 graph class name** | Help



Fit Quality: R^2 = 0.988

```
DataAnalysis - Scientific Data Analysis for the iPad
File Name: PR9 graph class name | Current Function: Linear

************  Final Parameter Values  ************
          m          b
     3.5460    -0.2142
SD   0.392      0.112

Pt.    X-obs.      Y-obs.      Y-calc.     Per.dev.

 1     0.1100      0.2200      0.1758     -25.118
 2     0.2300      0.5300      0.6014      11.865
 3     0.4250      1.3200      1.2928      -2.103

                  sum of squares = 7.781E-03
                        variance = 7.781E-03
Coefficient of determination (R^2) = 0.988
```

Use as Standard Curve | Clear Fit

For linear graph

Value of constants in y = mx + b

Export the graph