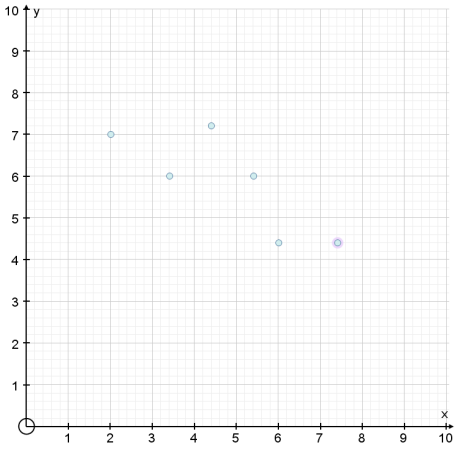
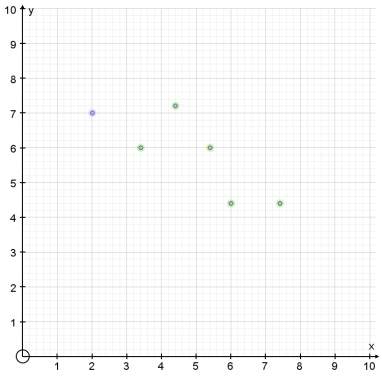
Autograph Webinar
How to: Scatter Graphs

1. Start with a **New 2D Graph Page**

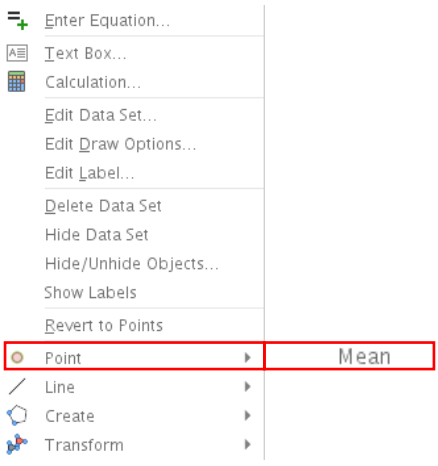
2. Using **Point Mode**, create 6 points.



3. Using Select Mode, select all points.



4. Using right click, select **Point**, **Mean**.



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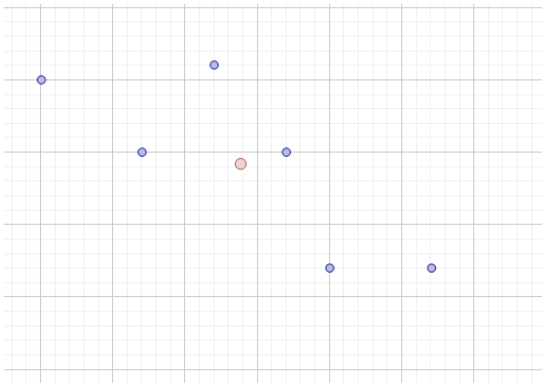
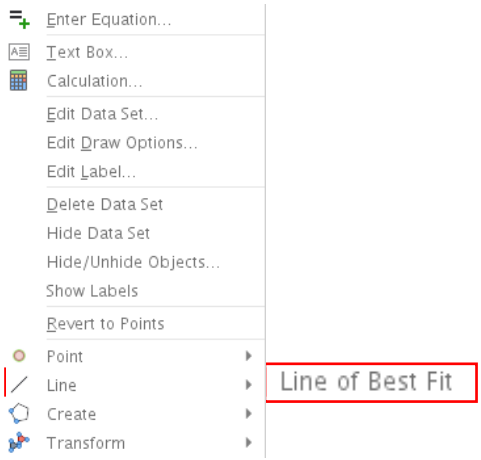
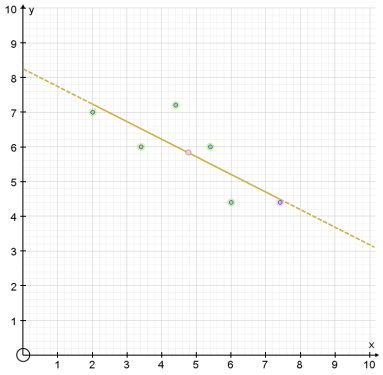
5. The mean of the points will be displayed.



6. Using right click select **Line**, then select **Line of Best Fit**.



7. **The Line of Best Fit** will be displayed.



8. You can move the 6 data points the **Mean** and **Line of Best fit** will update.

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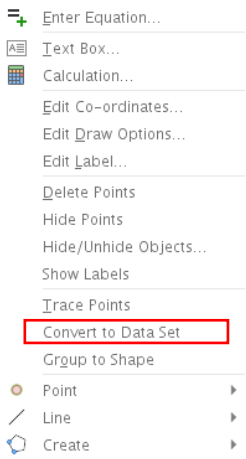
9. You can use Select Mode to select all Points.

Deselect the mean by clicking on it.

Right click and **Edit Data Set**

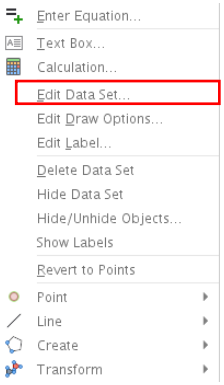


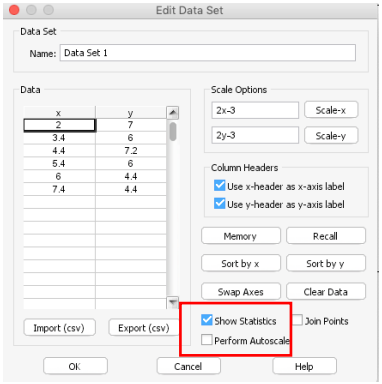
10. Right click and **Edit Data Set**

Uncheck **Perform Autoscale**

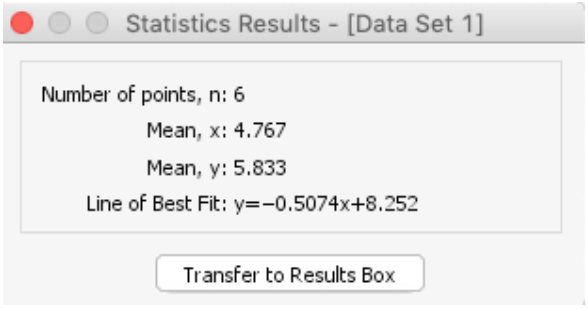
Put a check into the **Show Statistics**.

Click **OK**.
The **Statistics Results** dialog will be displayed.





11. The **Statistics Results** dialog will be displayed.



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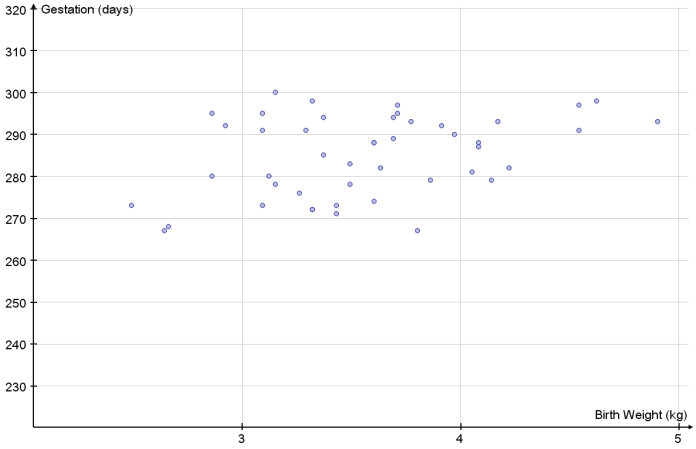
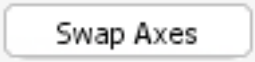
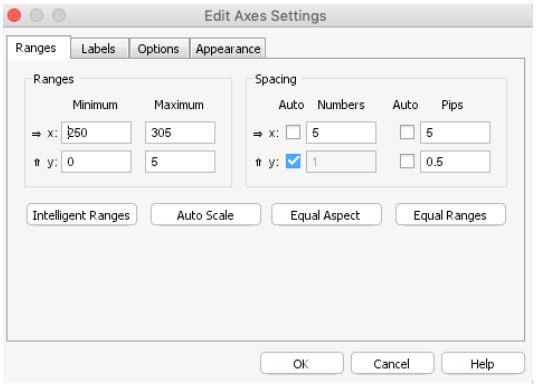
1. Open **4a2.scatter(50).agg**



Horizontal and vertical axes are value axes that plot data. The independent variable is on the x-axis, and the dependent variable on the y-axis

Edit the data set and use 

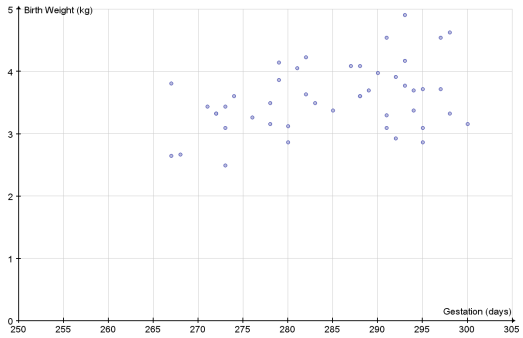
2. Edit the **Axes**



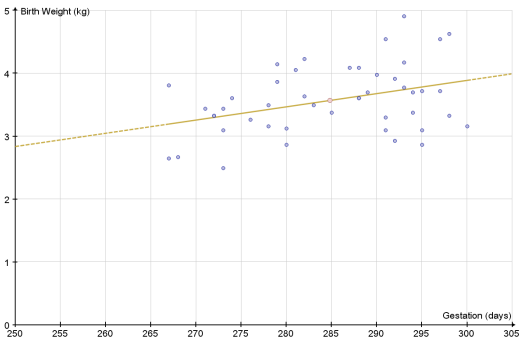
x-minimum	250
x–maximum	305
y–minimum	0
y-maximum	5

Change the Pips to be

x	5
y	0.5



3. Add the **Mean** point and **Line of Best Fit**



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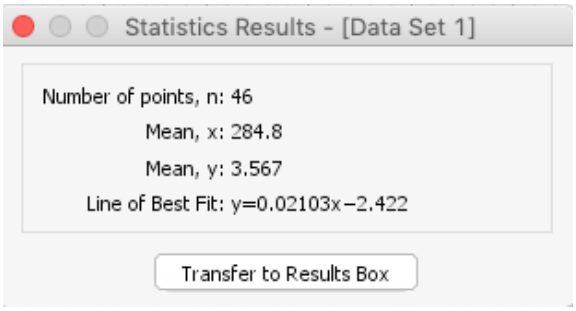
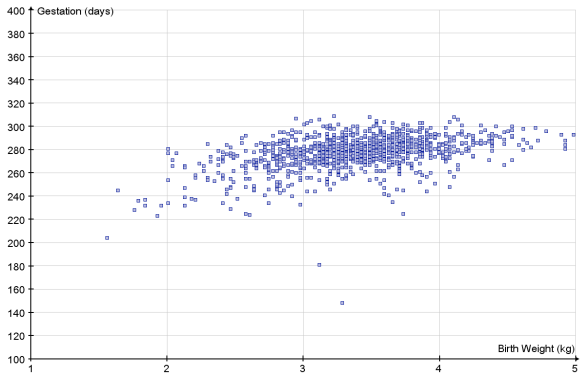
4. Show the **Statistics Results** dialog.



5. Open **4a3.scatter(1174).agg**

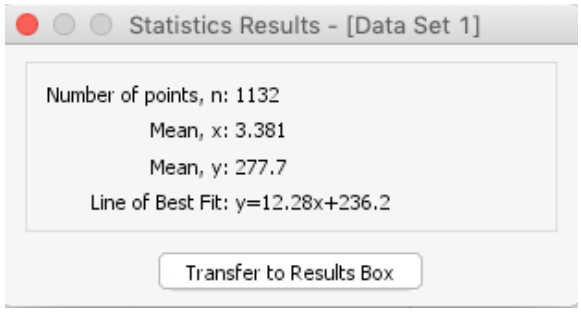
Horizontal and vertical axes are value axes that plot data. The independent variable is on the x-axis, and the dependent variable on the y-axis

Edit the data set and use Swap Axes



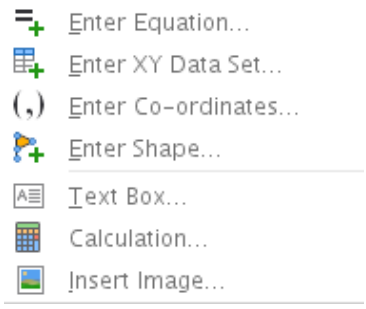
6. Add the **Mean** point and **Line of Best Fit**

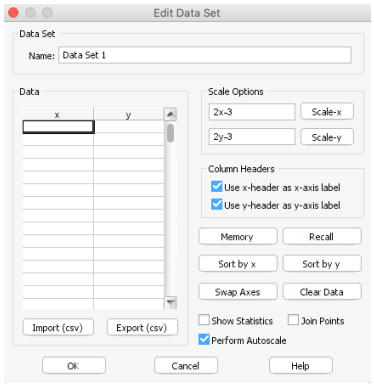
Display the **Statistics Results**



7. **Enter XY Data Set**

x	y
70	78
76	82
61	74
70	75
89	93
65	70
59	66
58	62
73	77
82	89





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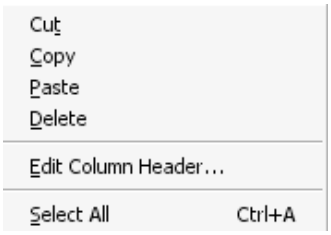
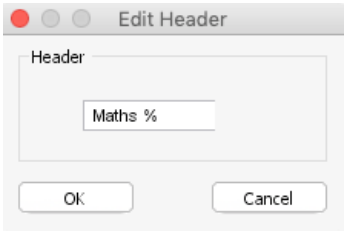
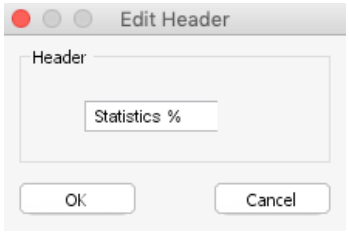
Select the x column and **Edit Column Header**

Maths %





Select the y column and **Edit Column Header**

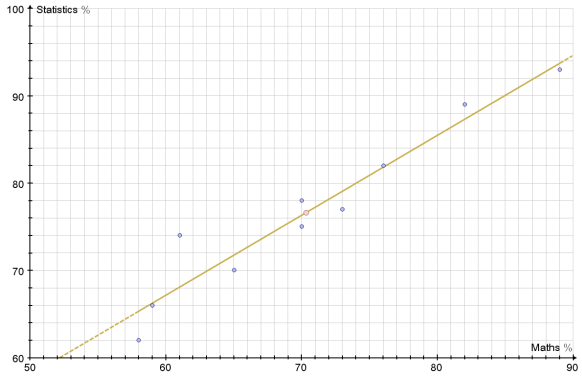


Create:

Point, **Mean**

and

Line, **Line of Best Fit**



8. Enter XY Data Set. Create **Mean** and **Line of Best Fit .**

Weight, g	500	560	750	625	610	680	600	650	580
Length, cm	30	32	50	44	39	48	40	45	36

9. Enter XY Data Set. Create **Mean** and **Line of Best Fit.**

Minutes playing computer games	40	60	75	40	35	20	80	50	45
Reaction Time, Seconds	5.2	4.3	3.9	5.5	6.0	7.2	3.6	4.8	5.0

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