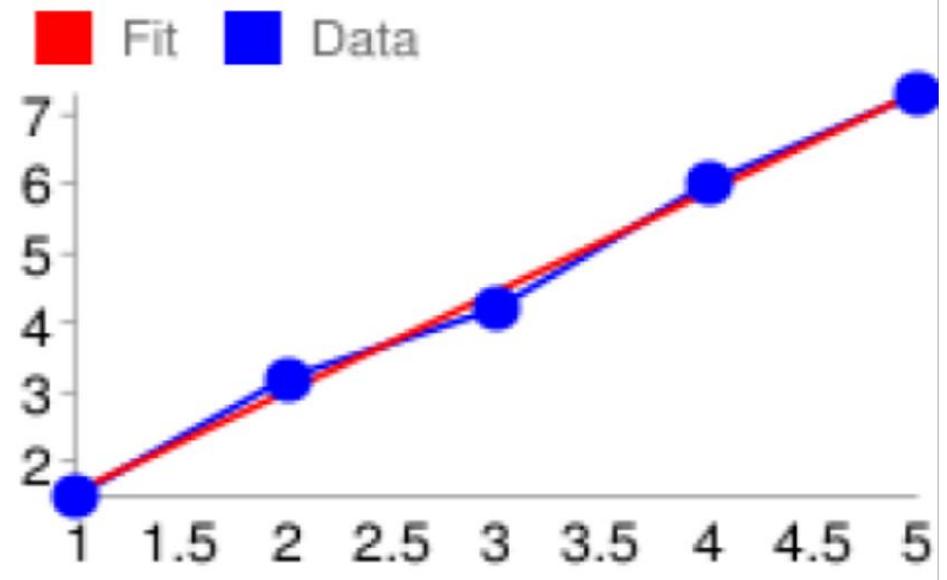
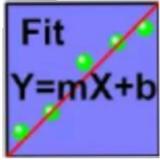


Física Experimental Básica:

Tutorial LinearFit (Ajuste Lineal)

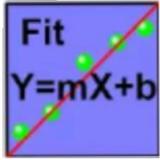
Obs: Esse aplicativo possui versões em inglês e espanhol. O que estiver entre parênteses em preto corresponde à versão em espanhol.





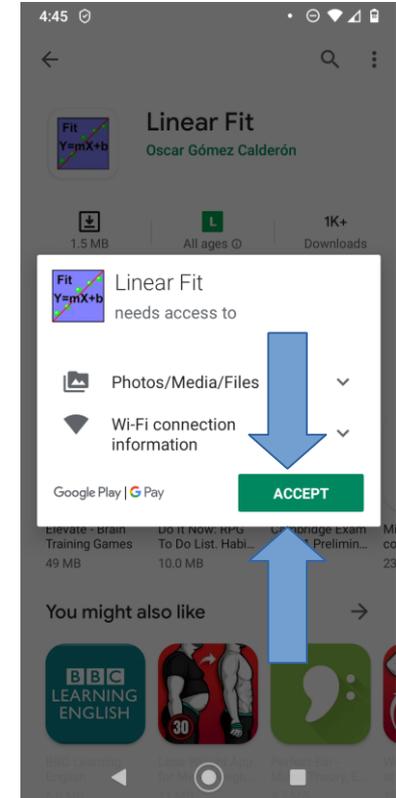
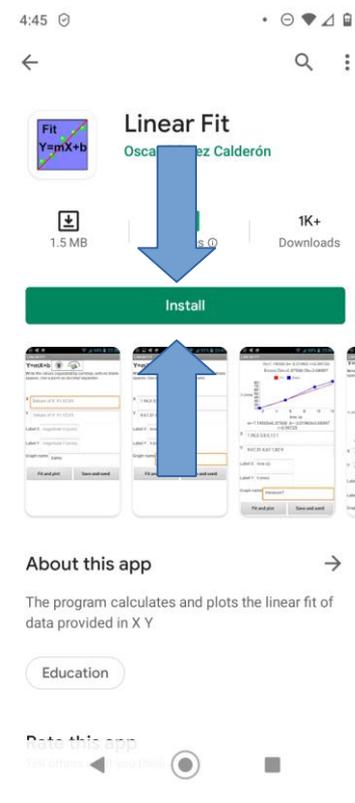
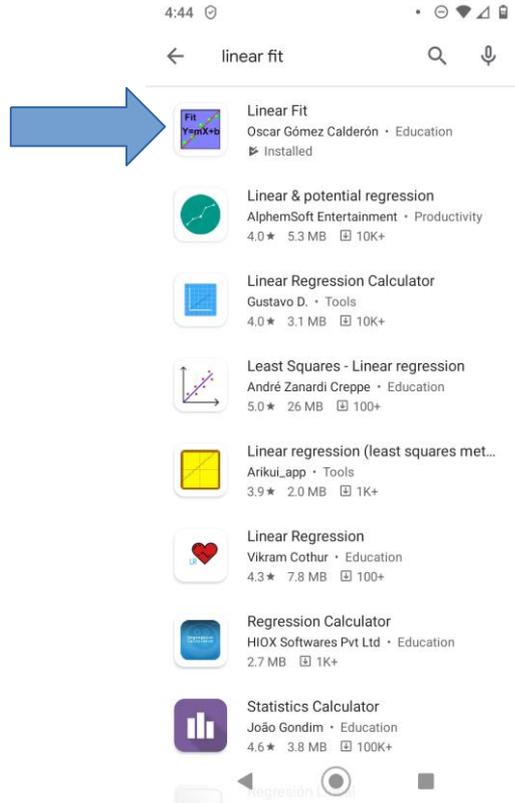
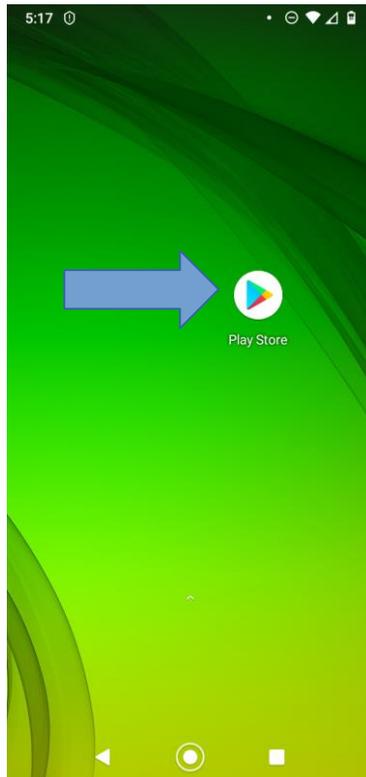
Sumário:

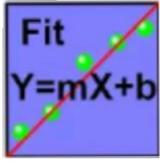
- **Instalação (Android) Slide 3 - Slide 4**
- **Modo de usar Slide 5 - Slide 7**



Instalação (Android)

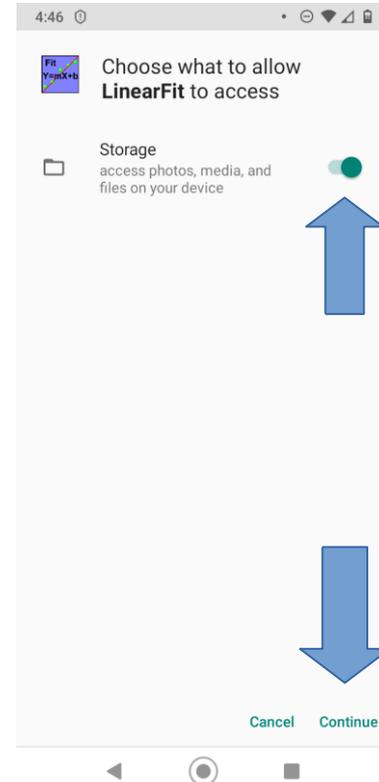
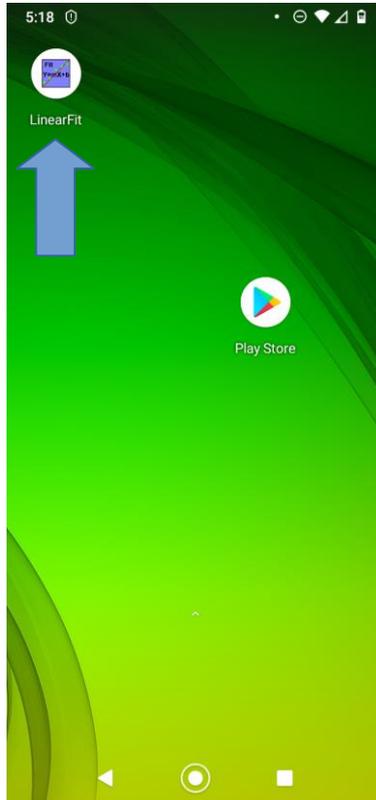
Em seu celular, vá até o aplicativo “Play Store”, pesquise por “LinearFit” (“Ajuste Lineal”) e instale o aplicativo.

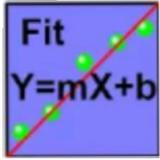




Instalação (Android)

Abra o aplicativo e permita o acesso às fotos, mídia e documentos e continue.





Modo de usar

- Preencha os campos X e Y com os valores das grandezas correspondentes. Separe os valores por vírgula e sem espaço; use ponto para separar a parte inteira da parte decimal.
- Em “Label X” e “Label Y”, entre com a grandeza correspondente e com com sua unidade entre parênteses.
- Em “Graph name” coloque o título do gráfico.

4:51

LINEAR FIT

$Y=mX+b$

Write the values separated by commas, with no blank spaces. Use a point as decimal separator.

X Values of X: X1,X2,X3

Y Values of Y: Y1,Y2,Y3

Label X magnitude X (units)

Label Y magnitude Y (units)

Graph name name

Fit and plot Save and send



6:43

LINEAR FIT

$Y=mX+b$

Write the values separated by commas, with no blank spaces. Use a point as decimal separator.

X 1,2,3,4,5

Y 1.5,3.2,4.2,6,7.3

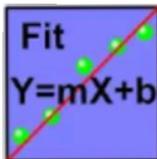
Label X Grandeza (unidade)

Label Y Grandeza (unidade)

Graph name Nome

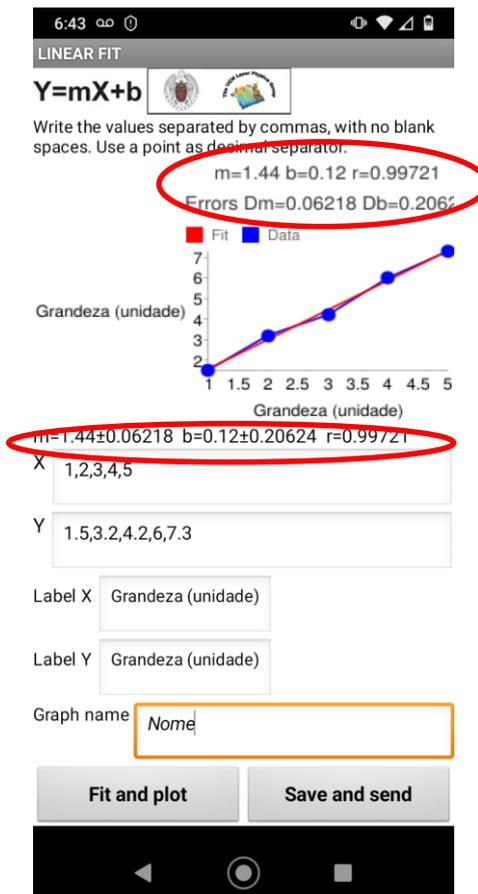
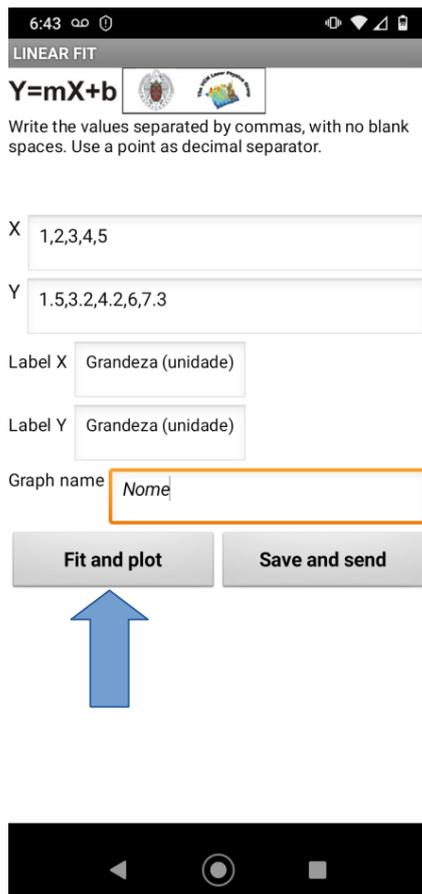
Fit and plot Save and send

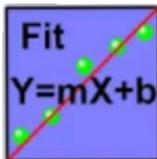




1. Para gerar o gráfico e fazer o ajuste linear clique em “Fit and plot” (“Ajustar y pintar”).
2. As informações sobre os parâmetros do ajuste (m e b) e suas respectivas incertezas são fornecidas acima e abaixo do gráfico.

Modo de usar





Modo de usar

Para salvar o gráfico com o ajuste e enviá-lo clique em “Save and send” (“Salvar y enviar”) e selecione o aplicativo pelo qual vai enviar.

6:43

LINEAR FIT

$Y=mX+b$

Write the values separated by commas, with no blank spaces. Use a point as decimal separator.

$m=1.44$ $b=0.12$ $r=0.99721$
Errors $Dm=0.06218$ $Db=0.20624$

Grandeza (unidade)

Grandeza (unidade)

$m=1.44\pm 0.06218$ $b=0.12\pm 0.20624$ $r=0.99721$

X 1,2,3,4,5

Y 1.5,3,2,4,2,6,7,3

Label X Grandeza (unidade)

Label Y Grandeza (unidade)

Graph name Nome

Fit and plot Save and send

6:43

LINEAR FIT

$Y=mX+b$

Write the values separated by commas, with no blank spaces. Use a point as decimal separator.

$m=1.44$ $b=0.12$ $r=0.99721$
Errors $Dm=0.06218$ $Db=0.20624$

Grandeza (unidade)

Grandeza (unidade)

$m=1.44\pm 0.06218$ $b=0.12\pm 0.20624$ $r=0.99721$

X 1,2,3,4,5

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JUST ONCE ALWAYS