Kimfaldsforsøg

Import af data

Forklaring

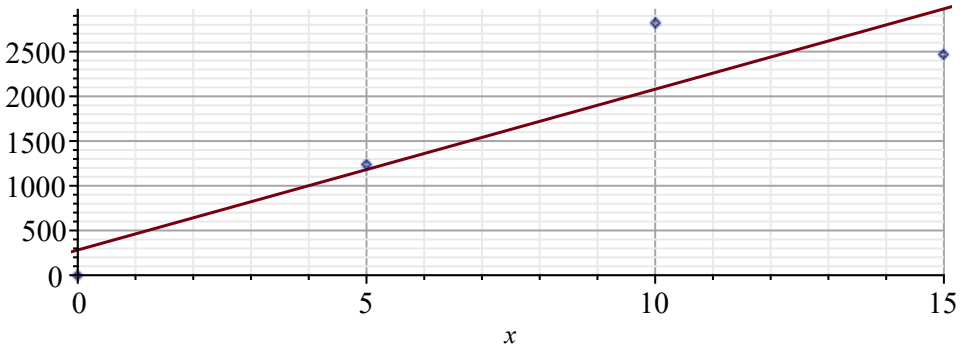
I sidste uge lavede I forsøg, hvor I målte kimfald forskellige steder på Ribe Katedralskole. I dette dokument hat jeg samlet plots med henholdsvis ***lineær regression*** og ***proportionel regression*** for hver af stederne. I skal ikke regne på noget at dette, men I har mulighed for, at inddrage nogle af resultaterne og kommentere på dem ud fra en biologifaglig synsvinkel.

LinReg(*ToiletData*, *size* = [500, 250])

Lineær regression

$y = 179.75\,x + 281.96.$

Forklaringsgrad $R^2 = 0.81921$

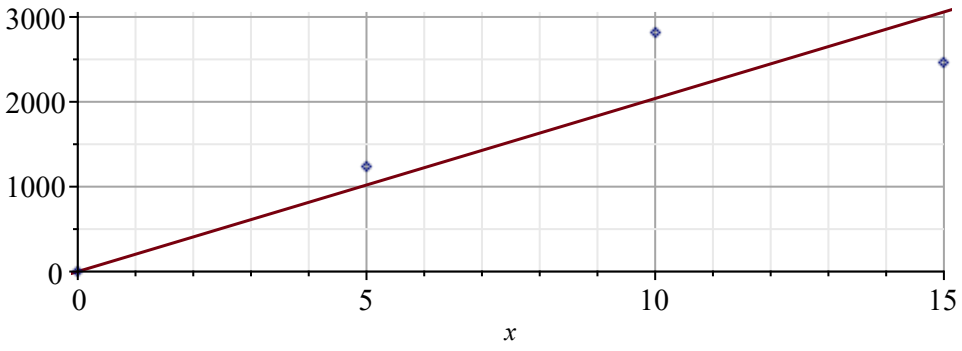


PropReg(*ToiletData*, *size* = [500, 250])

Proportional regression

$y = 203.92 \cdot x$

Forklaringsgrad $R^2 = 0.93541488$

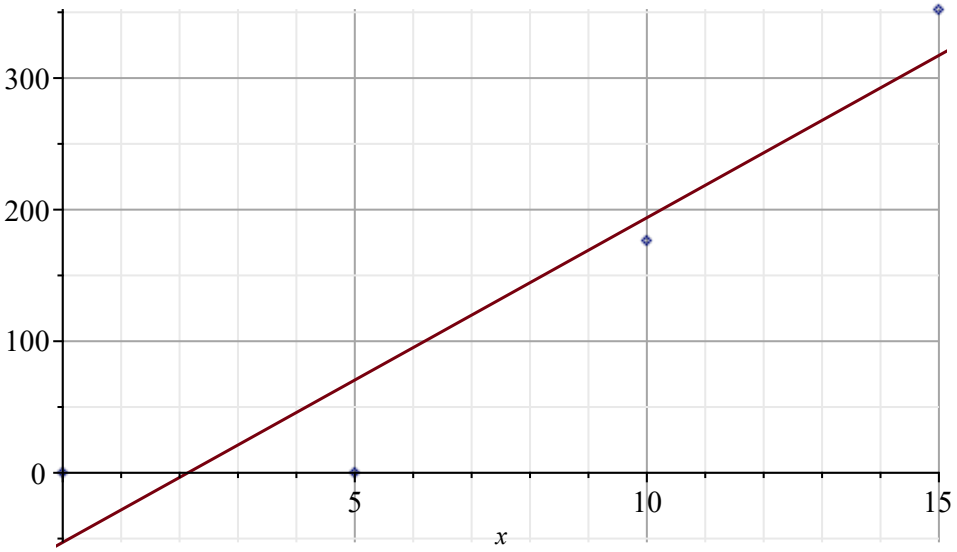


LinReg(*G01Data*, *size* = [500, 350])

Lineær regression

y =24.672 x − 52.868.

Forklaringsgrad R^2 = 0.89091

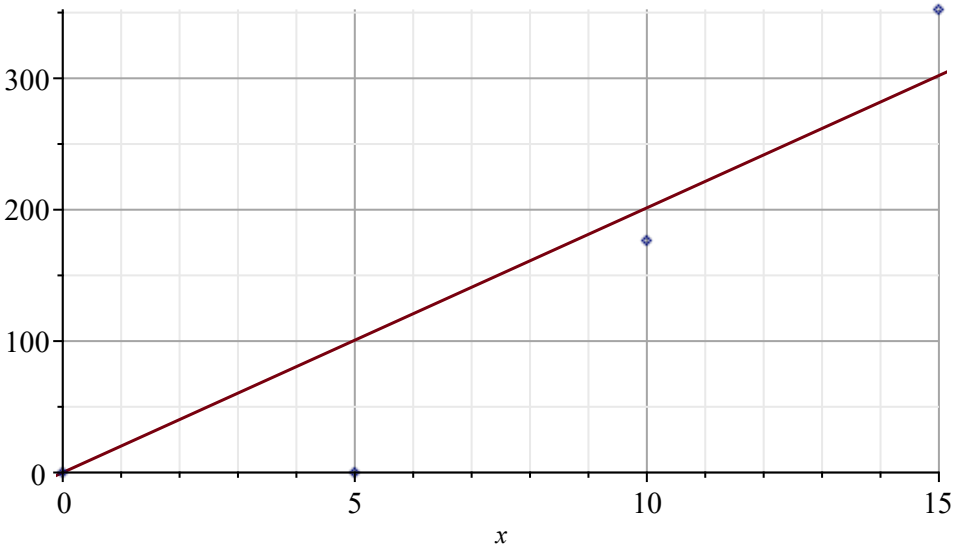


PropReg(*G01Data*, *size* = [500, 350])

Proportional regression

y =20.140 • x

Forklaringsgrad R^2 = 0.91428571

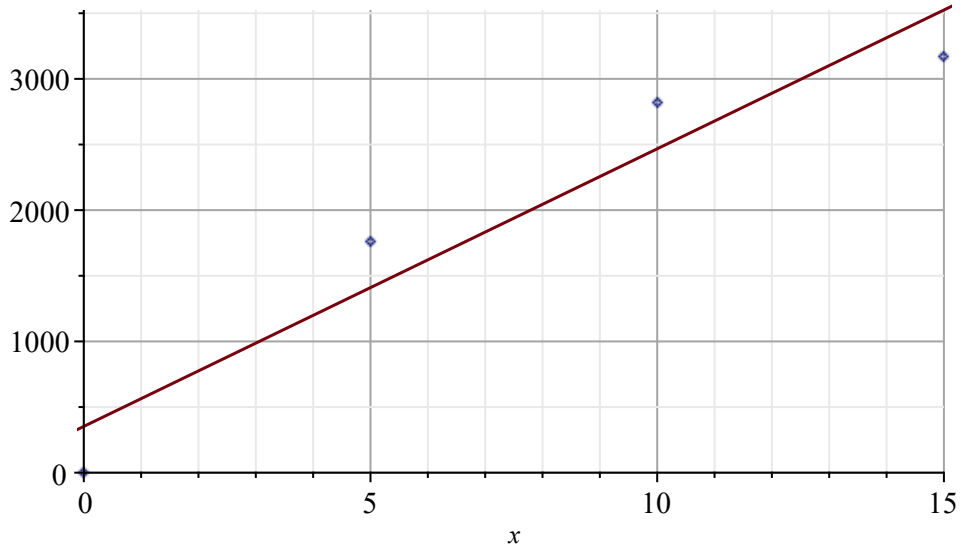


LinReg(*RNAData*, *size* = [500, 350])

Lineær regression

y =211.47 x + 352.45.

Forklaringsgrad R^2 = 0.91837

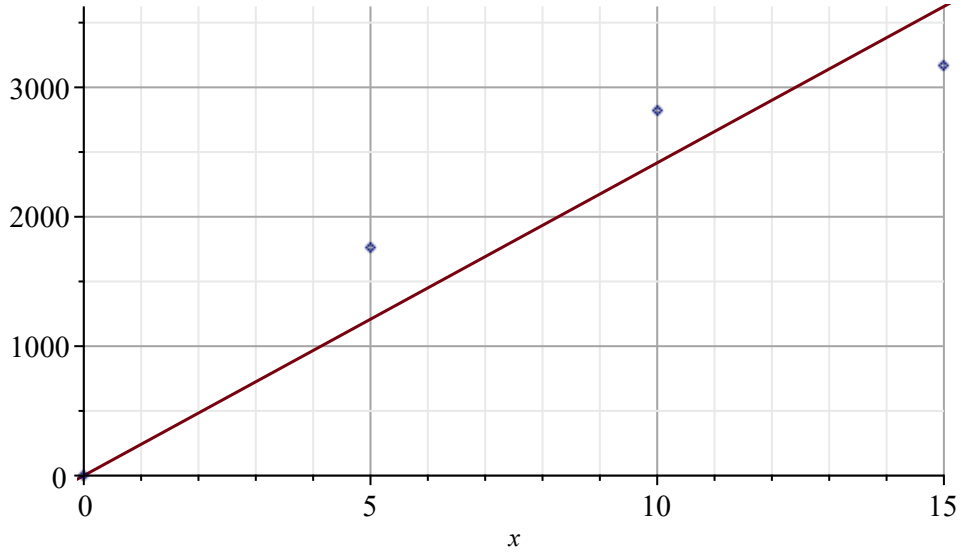


PropReg(*RNAData*, *size* = [500, 350])

Proportional regression

y =241.68 • x

Forklaringsgrad R^2 = 0.96806723

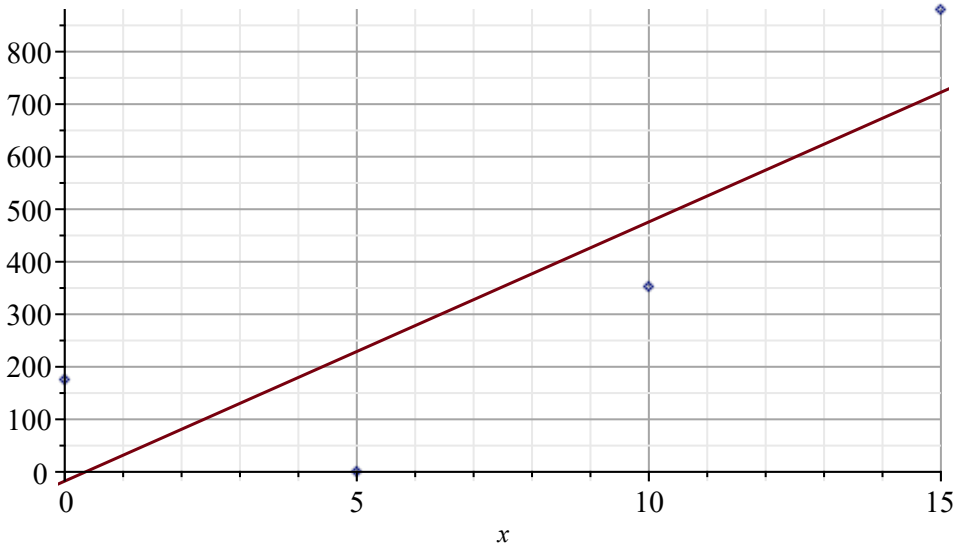


LinReg(*SalenStueData*, *size* = [500, 350])

Lineær regression

$y = 49.344\,x - 17.623$.

Forklaringsgrad $R^2 = 0.70000$

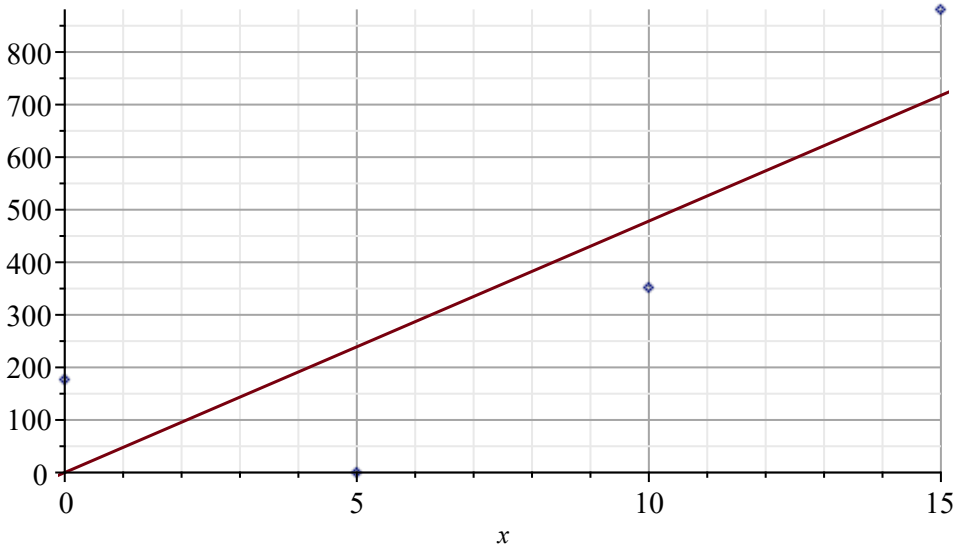


PropReg(*SalenStueData*, *size* = [500, 350])

Proportional regression

$y = 47.833 \cdot x$

Forklaringsgrad $R^2 = 0.85952381$

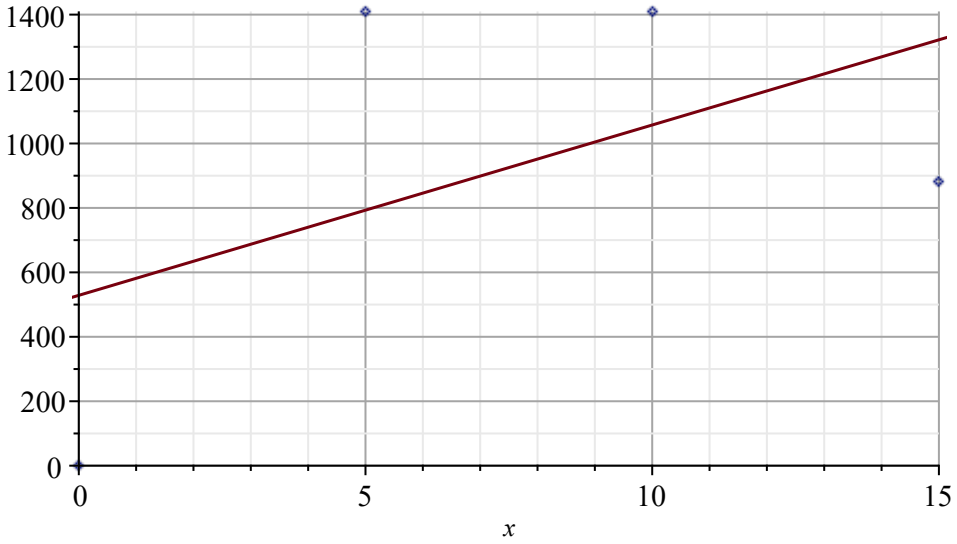


LinReg(*LoungeData*, *size* = [500, 350])

Lineær regression

y =52.868 x + 528.68.

Forklaringsgrad R^2 = 0.26316

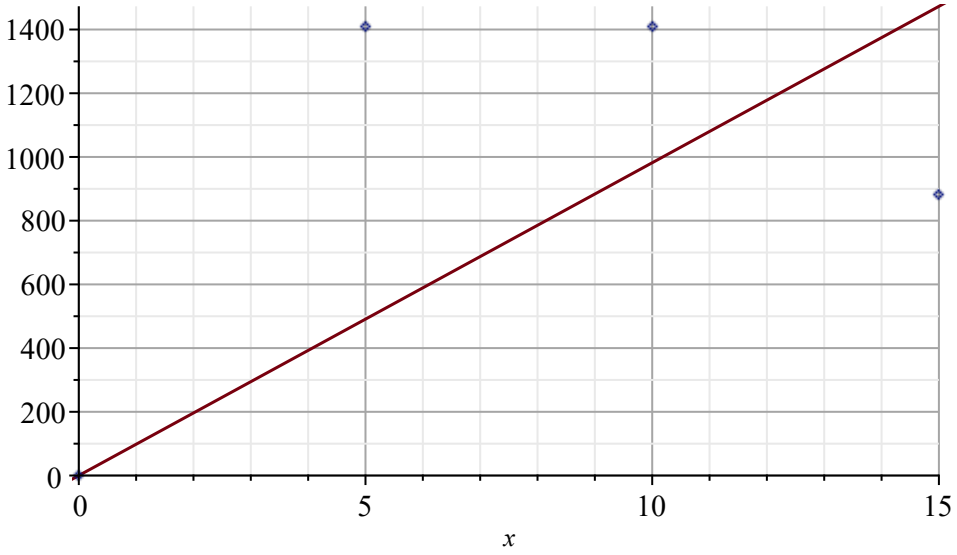


PropReg(*LoungeData*, *size* = [500, 350])

Proportional regression

y =98.184 • x

Forklaringsgrad R^2 = 0.71008403

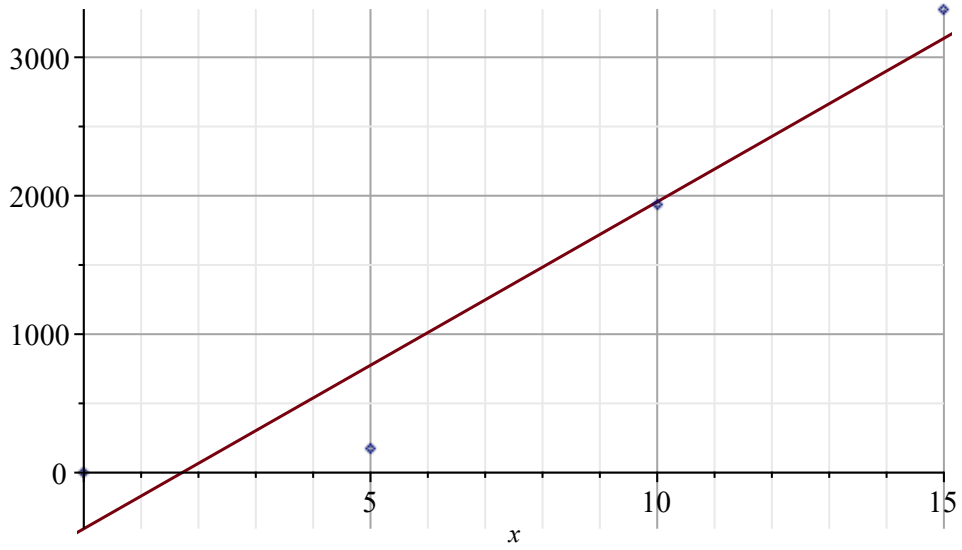


LinReg(*GangData*, *size* = [500, 350])

Lineær regression

$y = 236.14\,x - 405.32.$

Forklaringsgrad $R^2 = 0.92461$

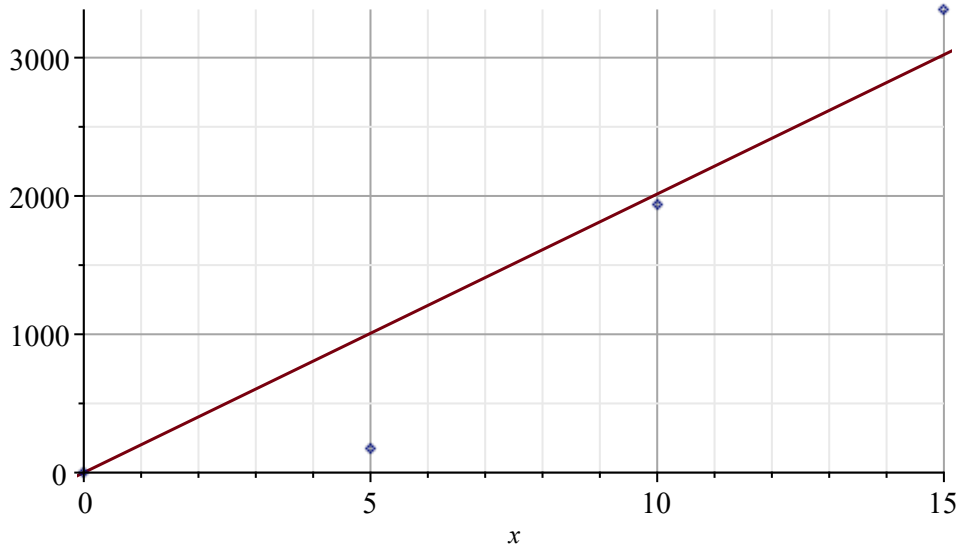


PropReg(*GangData*, *size* = [500, 350])

Proportional regression

$y = 201.40 \cdot x$

Forklaringsgrad $R^2 = 0.94646554$

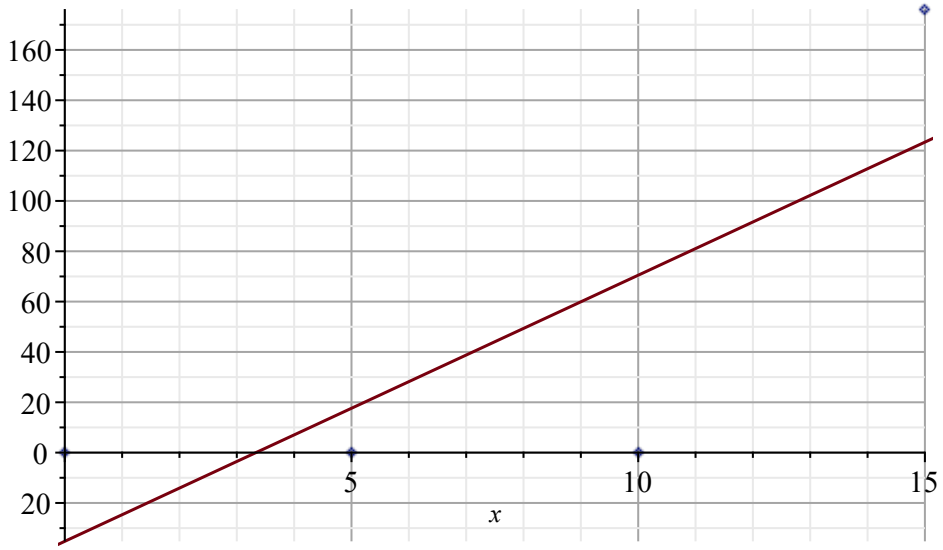


LinReg(*LbvData*, *size* = [500, 350])

Lineær regression

$y = 10.574\,x - 35.245.$

Forklaringsgrad $R^2 = 0.60000$

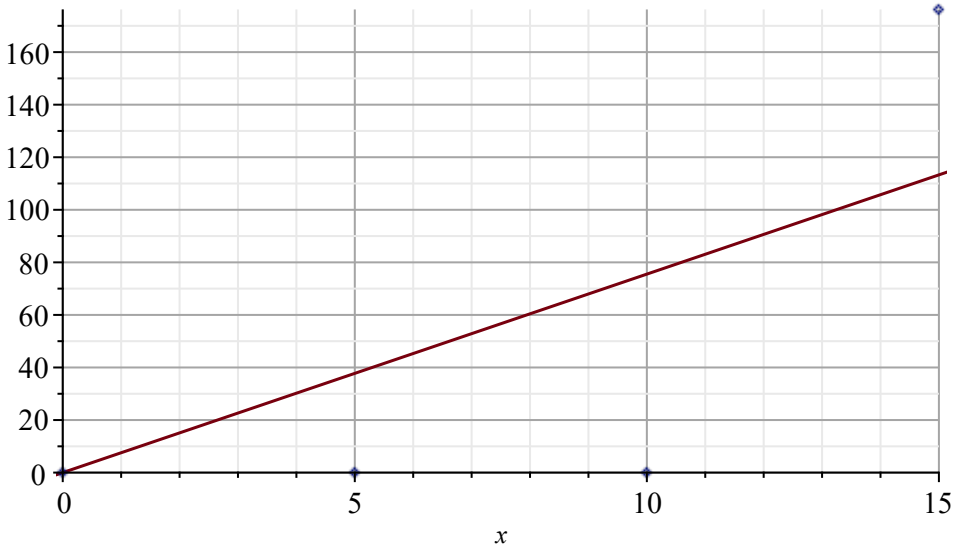


PropReg(*LbvData*, *size* = [500, 350])

Proportional regression

$y = 7.5526 \cdot x$

Forklaringsgrad $R^2 = 0.64285714$

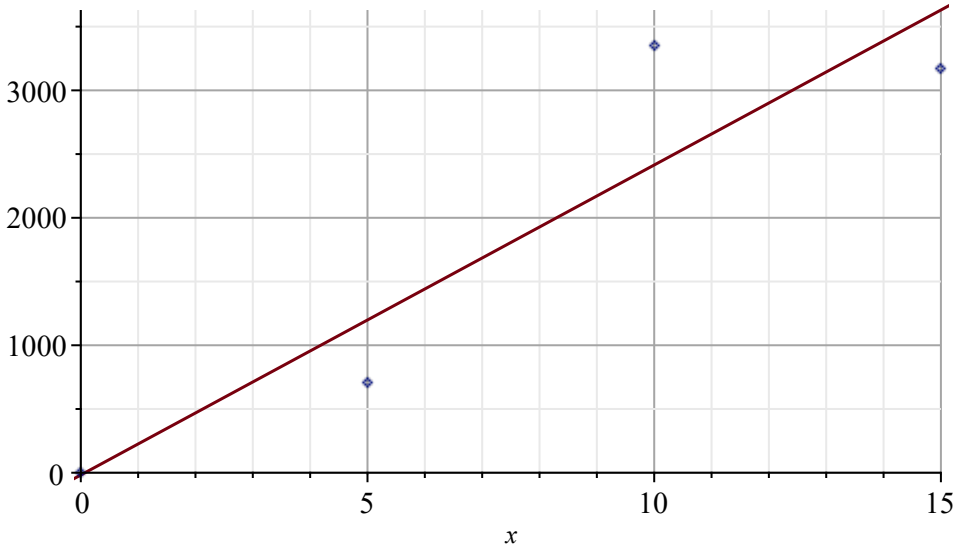


LinReg(*SalenFoersteData*, *size* = [500, 350])

Lineær regression

$y = 243.19\,x - 17.623.$

Forklaringsgrad $R^2 = 0.84791$

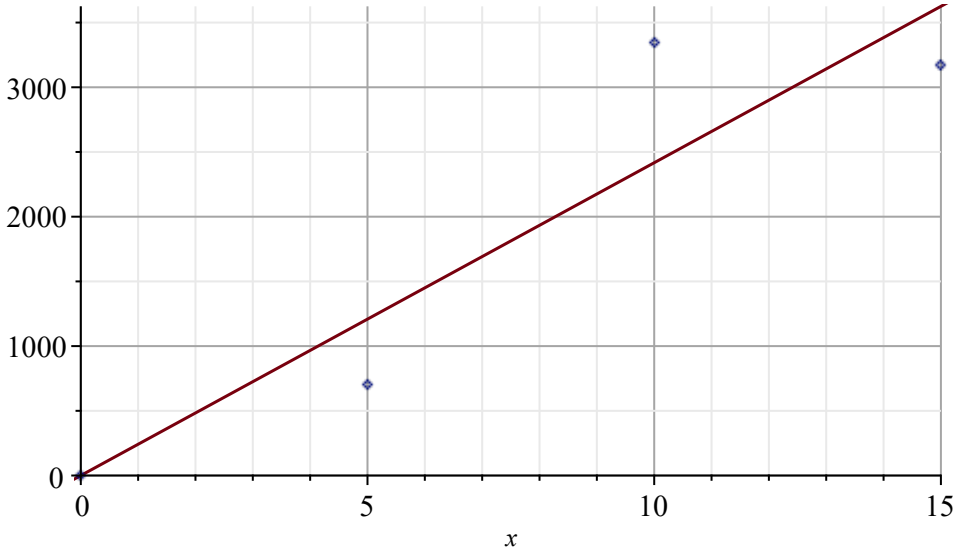


PropReg(*SalenFoersteData*, *size* = [500, 350])

Proportional regression

$y = 241.68 \cdot x$

Forklaringsgrad $R^2 = 0.93906664$

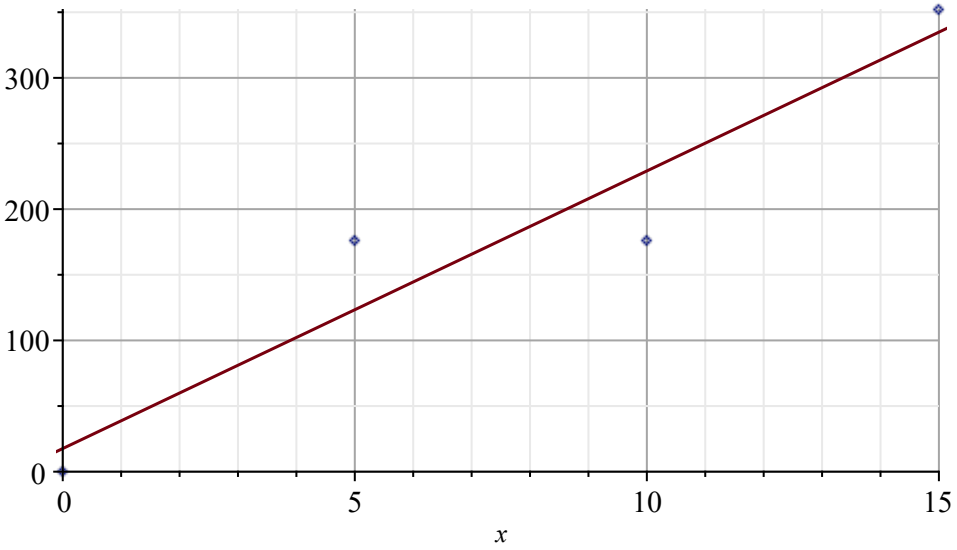


LinReg(*SangsalenData*, *size* = [500, 350])

Lineær regression

$y = 21.147\,x + 17.623$.

Forklaringsgrad $R^2 = 0.90000$

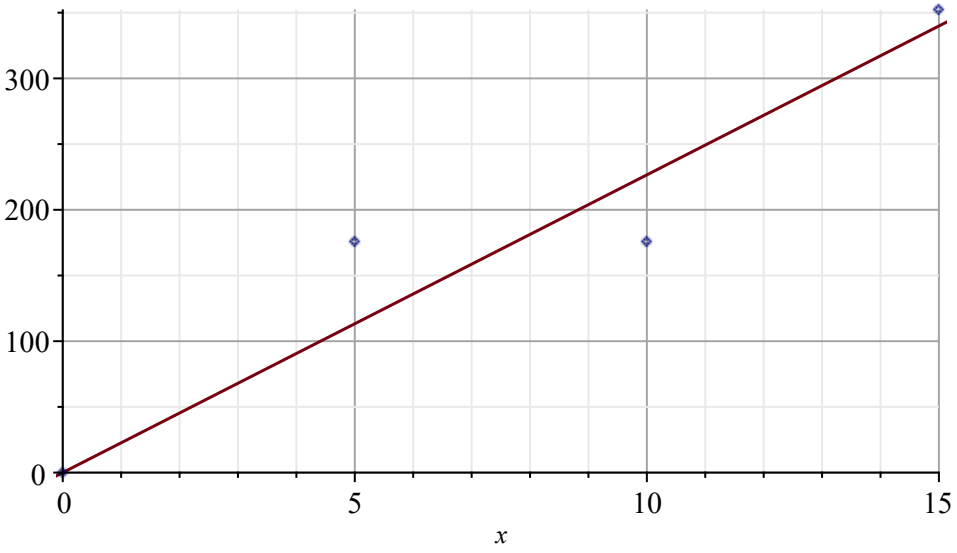


PropReg(*SangsalenData*, *size* = [500, 350])

Proportional regression

$y = 22.658 \cdot x$

Forklaringsgrad $R^2 = 0.96428571$

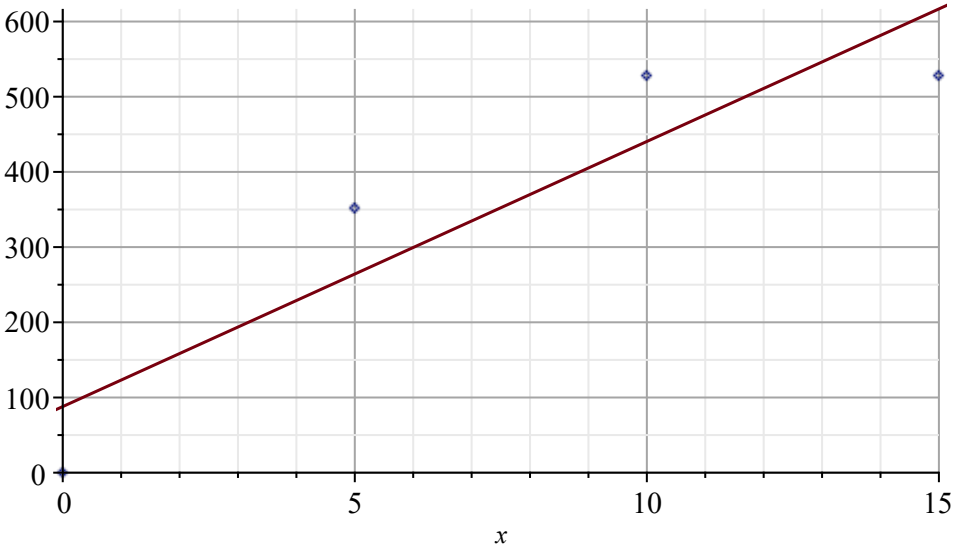


LinReg(*BibliotekData*, *size* = [500, 350])

Lineær regression

y =35.254 x + 87.932.

Forklaringsgrad R^2 = 0.83376



PropReg(*BibliotekData*, *size* = [500, 350])

Proportional regression

y =42.791 • x

Forklaringsgrad R^2 = 0.93846657