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Problem1_writeup

y1(x)=29.05867495x+92.76756053

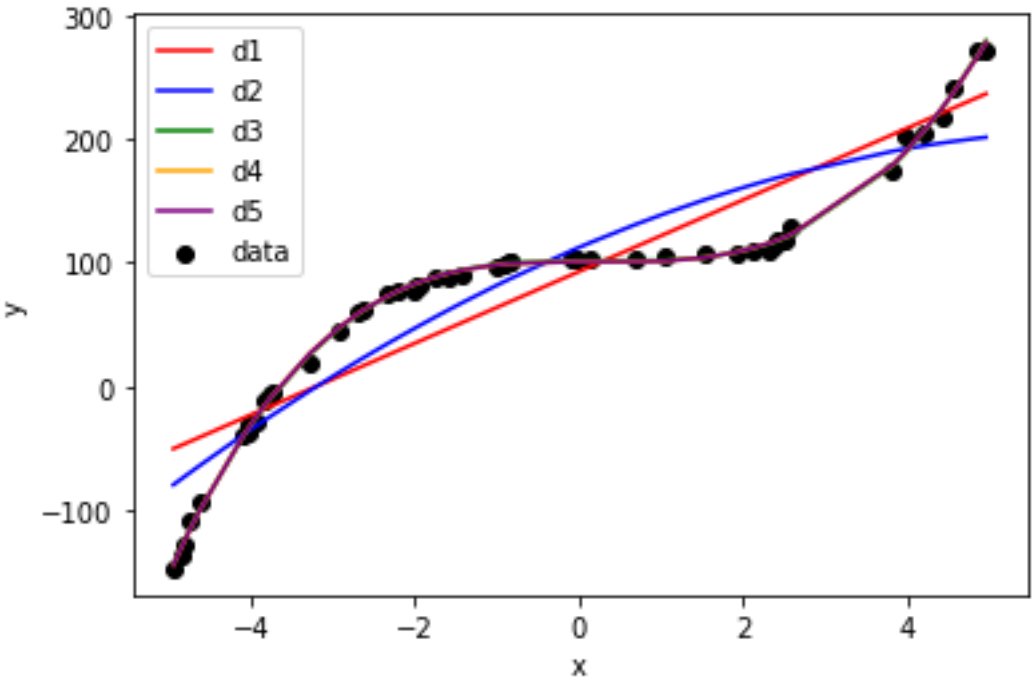
y2(x)=-2.11108454x^2 +28.50662487x+112.31481224

y3(x)=1.75743661x^3 +-1.43242754x^2 + -0.3307411x+101.86611055

y4(x)=-1.51249835e-02x^4 + 1.75412364e+00x^3 + -1.08212257e+00x^2+
-2.55843975e-01x+1.00914532e+02

y5(x)=-4.45092599e-04x^5 + -1.54226284e-02x^4 + 1.76681929e+00x^3 + -1.07434416e+00x^2

+-3.22742703e-01x + 1.00887487e+02



the data seems to follow degree3,4,5 from the graph and if we predicted a datapoint of x=2, the value would be 109.534