

- (b) What are the unknowns in this question? What are we trying to solve for?
- (c) Can you write an equation corresponding to the first observation (x_0, y_0) , in terms of a_0, a_1, a_2, a_3 , and a_4 ? What does this equation look like? Is it linear?
- (d) Now, write a system of equations in terms of a_0, a_1, a_2, a_3 , and a_4 using *all of the observations*.
- (e) Finally, solve for a_0, a_1, a_2, a_3 , and a_4 using IPython. You have now found the quartic polynomial that best fits the data!