

- 0:15:11 : **they have the smallest sum** if those distances are the smallest so **there is no other combination of three elements which are going to have a smaller sum than the ones that have the smallest distance** so the sum of the three smallest values is always the subset of the data where the.
- 0:15:51 : **that's a math definiiton of saying give me that instances x that achieve actually the smallest possible distance to an item for which we want to make a prediction** and se in fact it is a subset of the data storage will provide US.
- 0:16:11 : what instances are the closest neighbors a nearest neighbors k many of them **and then what we do is we take the y the target of those nearest neighbors similar to what we said in the previous examples and that's what the projection operator.**
- 0:16:28 : **pie of y does** you might remember it from your relational calculus and your database courses that **this symbol means just give me the y column** saw this three nearest neighbors maybe maybe i'm going to be the three nearest neighbors of an item x might be maybe i do.