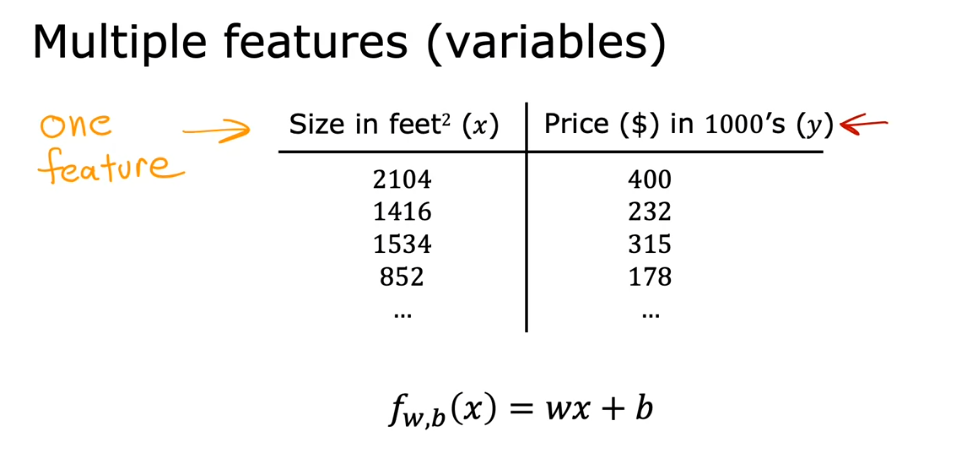
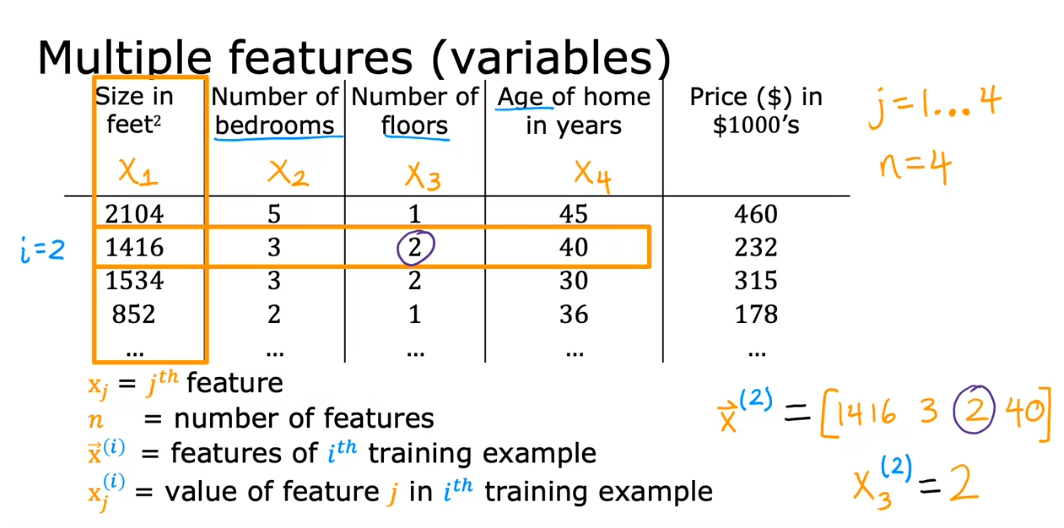
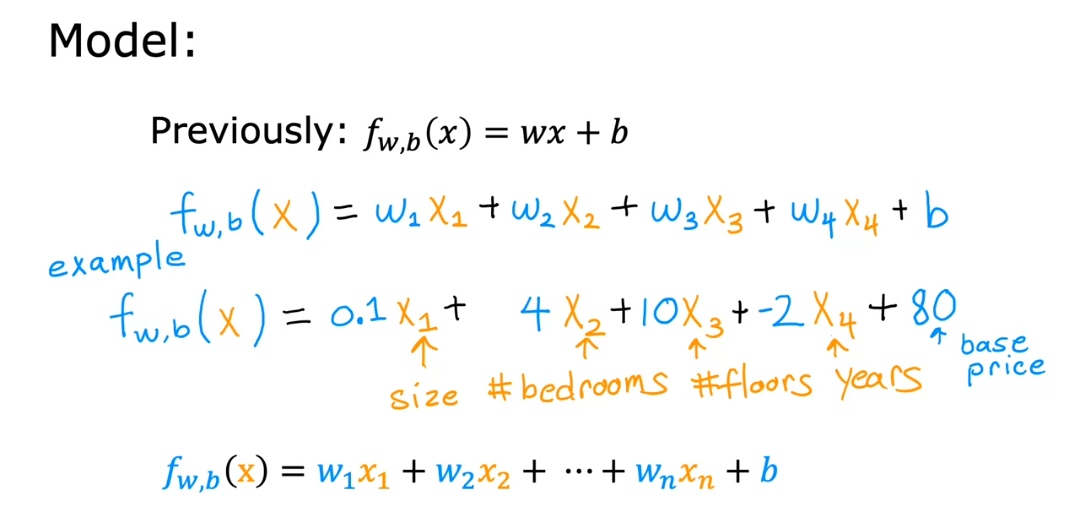
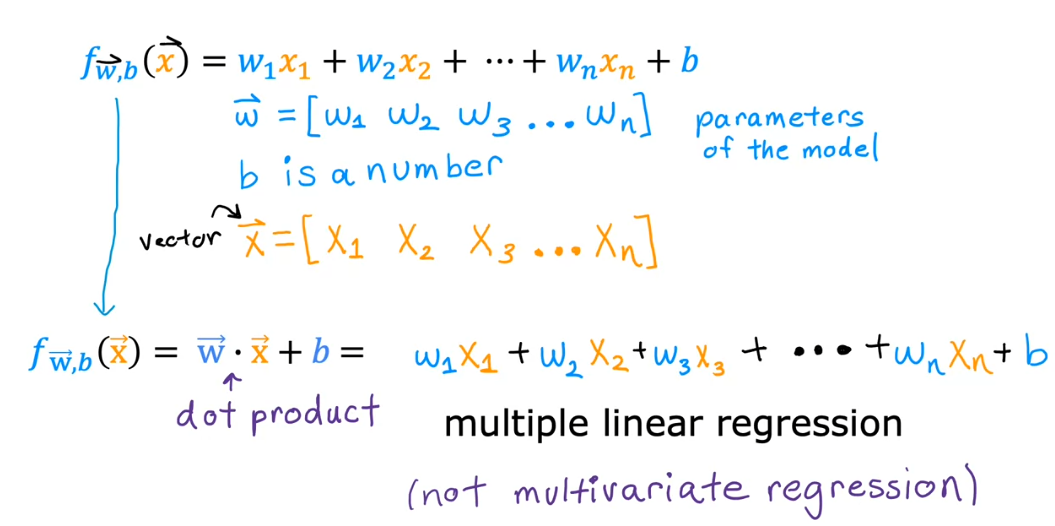
# Multiple Features

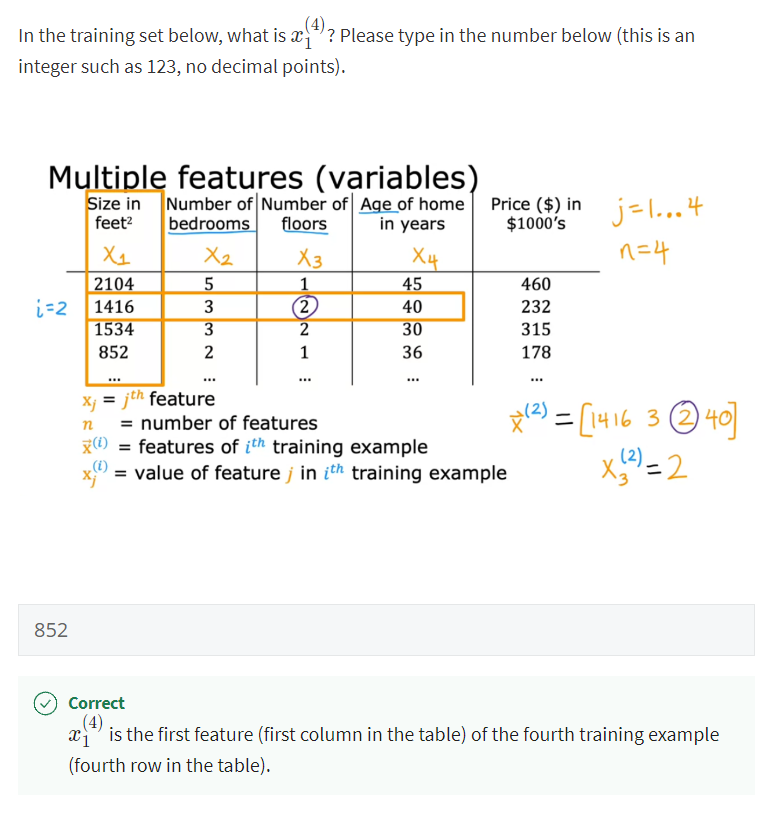




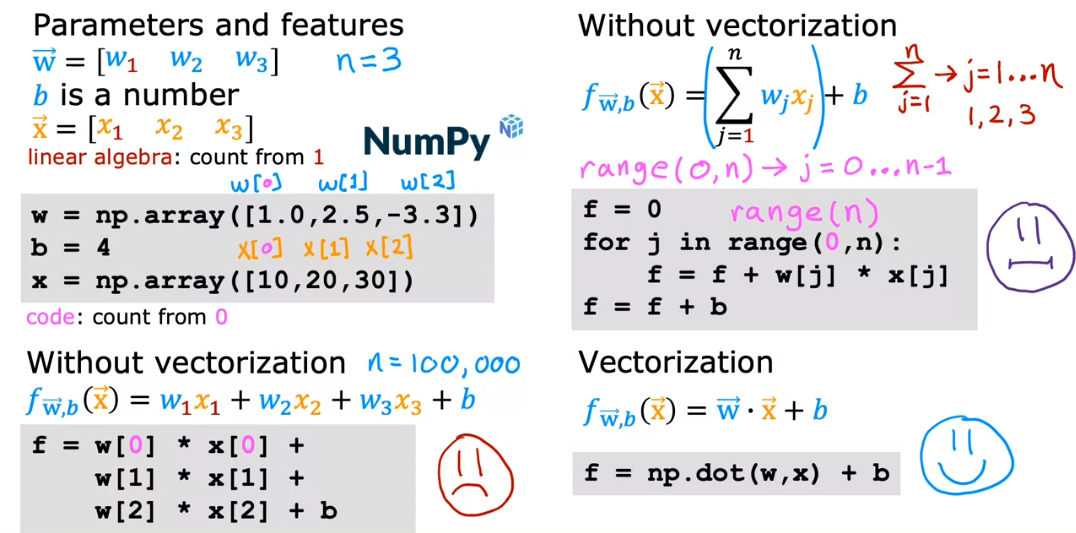


* You can think of it like this:
  + Base price (without size, bedrooms, floors, years) = $80k
  + Size = increase of $100 per size
  + Bedroom = increase of $4k per additional bedroom
  + Floor = increase of $10k per additional floor
  + Years = decrease of $2k per year

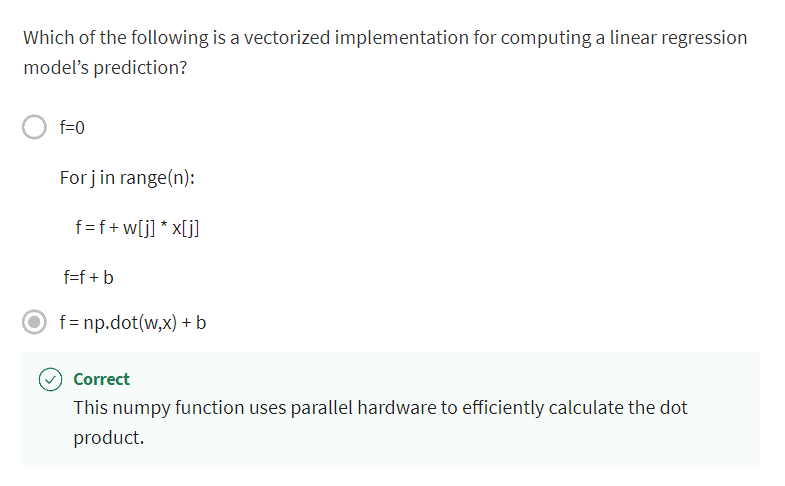




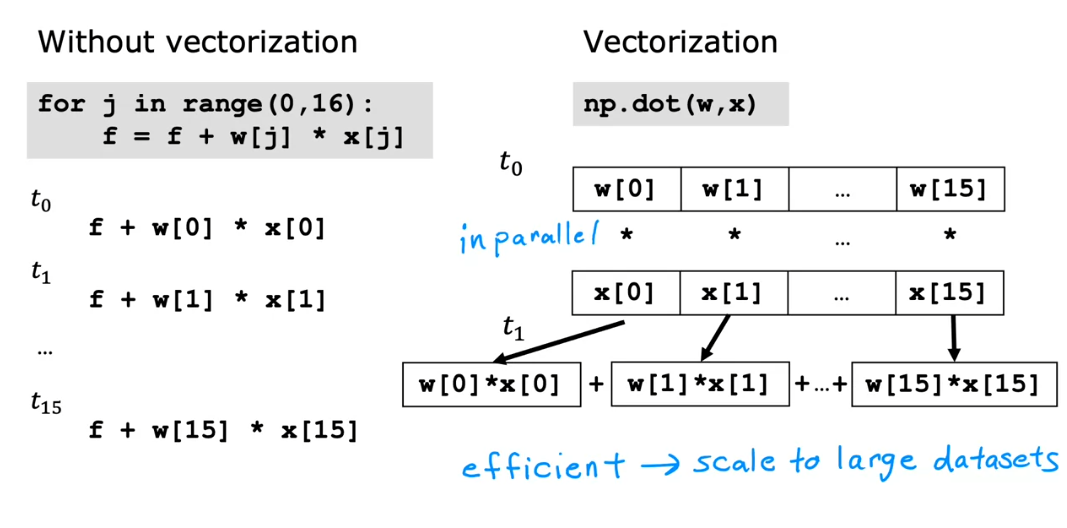
# Vectorization Part 1

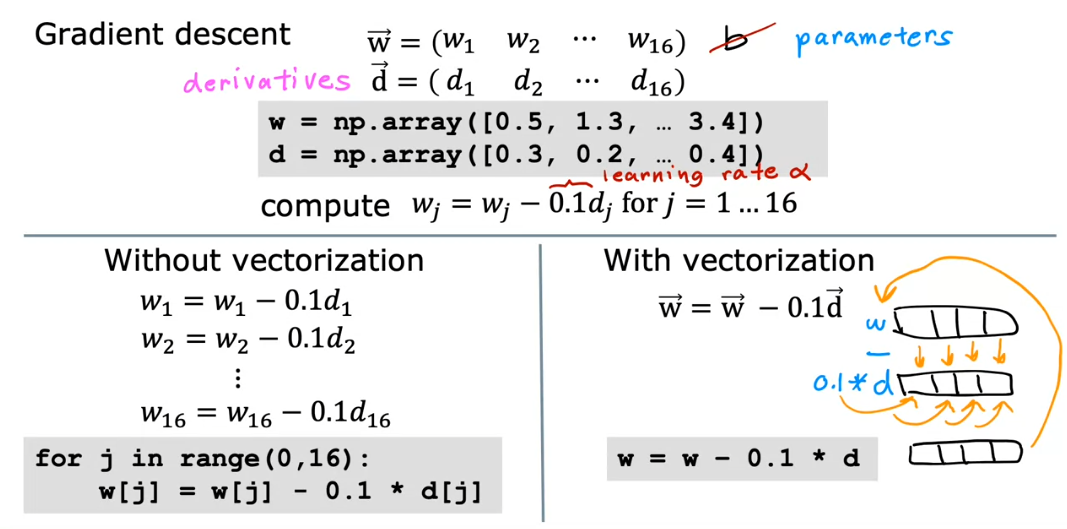


* np.dot
  + using parallel computing that is why it is much faster



# Vectorization Part 2





# Gradient Descent for Multiple Linear Regression

