

ISE CERTIFICATION COURSE DETAILS

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COURSE NAME:	ML- FOR BUSSINESS MANEGER	DATE:	8/6/2020

SCREENSHOT:

The screenshot displays a Udeemy course interface. The main video player shows a slide titled "Linear Regression" with a table of data and a "Questions" section. The table has columns for various features like price, area_sq_ft, bathrooms, garage_spaces, year_built, lot_size_sq_ft, year_renovated, waterfront, lakeview, fireplace, pool, hot_tub, spa, gym, solar_panel, security_system, hardwood_floors, granite_counters, stainless_appliances, walk_in_closets, central_air, basement, finished_basement, finished_attic, finished_garage, finished_porch, finished_deck, finished_patio, finished_terrace, finished_balcony. The "Questions" section lists two questions: 1. Prediction Question (How accurately can I predict the price of a house, given the values of all variables) and 2. Inferential Question (How accurately can we estimate the effect of each of these variables on the house price). The right sidebar shows the course content with a list of topics and their durations.

BRIEF REPORT: (POINT-WISE)

- 1). The question "How good is a forecast?" comprises two separate aspects: firstly, measuring predictive accuracy per se; secondly, comparing various forecasting models. For example, if a variable is almost unpredictable, all forecasts are likely to be poor. Yet, a forecaster may still look for the best forecast among the poor ones.
- 2). In simple linear regression, we predict scores on one variable from the scores on a second variable. The variable we are predicting is called the *criterion variable* and is referred to as Y. The variable we are basing our predictions on is called the *predictor variable* and is referred to as X. When there is only one predictor variable, the prediction method is called *simple regression*. In simple linear regression, the topic of this section, the predictions of Y when plotted as a function of X form a straight line.