Consumer Theory	· Decisions are made
· How do consumers make	based on
choices about which goods	1. Preferences
to buy	- What do people
* How do consumers react	want?
to changes in the world	Z. Budgets
around them.	- What can people
Rational choice model	afford to buy?
economists use to describe	What is a model?
decision making	· A collection of assumptions

· assumptions are combined There is no scientific way to test assumptions to make predictions about what will happen We have to think very in the "real world" deeply about what our · Predictions are only as assumptions are good as our assumptions Budget constraints Problem · 2 goods in the economy · All assumptions are false! tacos and beet · The accuracy of a model b: quantily of beer is a function of how consumed (in glasses) "good" the assumptions t: quantity of tacos are

Price of tacos: \$Z Example price of beer: \$5 · Suppose I buy 5 Total expenditures: tacos. How much 24456 beer can I purchase? · Suppose you have \$ 40 in 2t+5b=40 your pocket at the t=5 beginning of the night 2.5+5}=40 · Total expenditures must 10+56=40 be less than (or 5b = 30 equal to) 40 b = 6 2t+5b ≤ 40 We can have at most 6 beers

· We say that the bundle Note: we will always assume that consumers (x,, xz) is affordable can purchase fractions of goods  $P, X, +P_2X_2 \leq m$ In general Exampe: 56+2t = 40 X,: quantity of good 1 Xz: quantity of good Z P.: Price of good 1 Pz: price of good Z m: income Define (x,, xz) as a consumption bundle

· suppose ue consume only tacos. How many can we buy? b=0 -> 40= 2t Budget line t = 20· Juppose ue consume only  $P_1 \times_1 + P_2 \times_2 = m$ beet. How much?. total expenditure = income t=0 -> 40 = 5b > bundles on the budget line can be consumed but the require us to · Is (1,10) affordable? spend all of our income 1.5+10.2 = 25 240