Intertemporal choice Example: Suppose I get a paycheck today and · So far: well-behaved prefs. another one tomorrow - Consumers are spending m,: income today all of their income mz: income tomorrow - Model just describes C: composite of all behavior at one consumption today point in time Cz = consumption tomorrow " In the real world, people m,+mz+ intertemporal budget line spend more or less than their income in any given period of time m2 T

x+ (x = (1+r) x

mount
interest
borrowed Example: Consumption this year vs consumption next year · Consumers can invest · What is the most our income this year consumer can consume · Consumers can borrow this year? against future income · Assume one interest $C_2 = \emptyset$ rate for saving and $C_1 = m_1 + \frac{m_2}{1+C}$ borrowing (r) · What is the most I can Suppose I borrow \$x today consume next year? How much will I have C,=0 to pay back next year? $C_z = m_1 + m_2 + rm_1$

