Day 2: Budget constraints & constrained optimization

- 4.3 The consumer's income and the budget constraint
 - Obviously people don't have Infinite & and things aren't free

Simplifying Assumptions

- each good has a fixed price, people can buy as much as they can afford
- · Consumer has a fixed amount of income to spend
- · Cansumers can't borraw as save

Bugget Constraint $Cost = P_X Q_X + P_Y Q_Y$ If Cost & Income then the Gundle Cax, Qy) if feasible If Cost > Income

then the bundle (Qx,Qy)
is infeasible

Slope of the Budget Constraint Cost = PxQx + PyQy

Income = \$20Cost of X = \$4Cast of Y = \$5

Trifeasible

feasible

Factors that affect the budget constraint

· Px · Py · Income

If Pyr If Income r

If PXI

Kinked budges constraints

· quantity discounts

