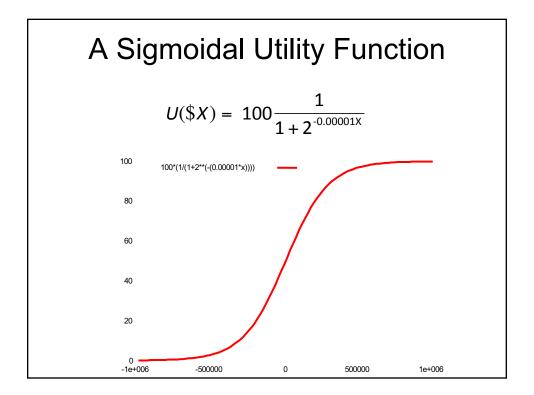
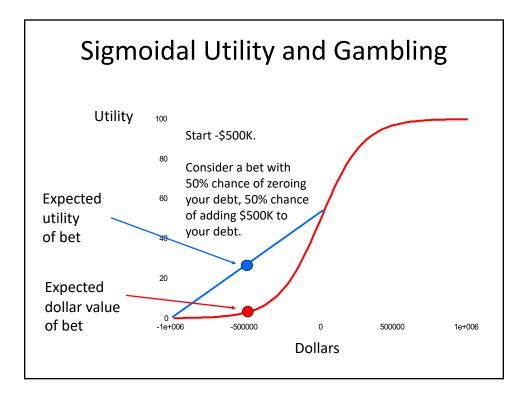
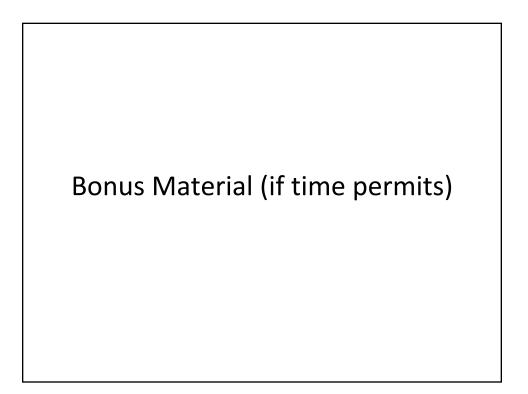


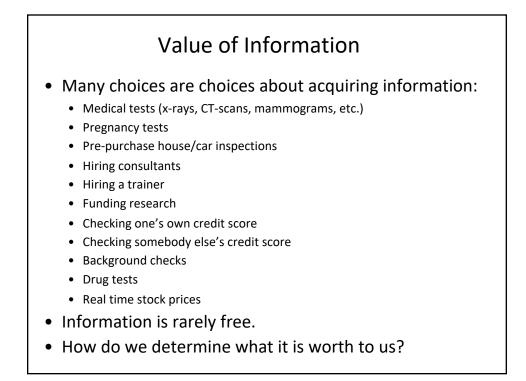
Utility of Money

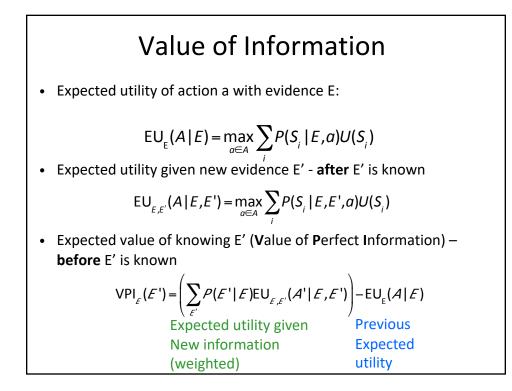
- U(money) should drop slowly in negative region too
- If you're solvent, losing \$1M is pretty bad
- If already \$10M in debt, losing another \$1M isn't that bad
- Utility of money is probably sigmoidal (S shaped)











VPI Example

- Should you pay to subscribe for traffic information? Assume:
 - Time = cost = -utility
 - Cost of taking highway to work (w/o traffic_jam) = 15
 - Cost of taking highway to work (w/traffic_jam) = 30
 - Cost of taking local roads to work = 20
 - P(traffic_jam) = 0.15

• Steps:

- Determine optimal decision w/o information: EU(A|{})
- Determine optimal decisions given information: EU_T(A|T)
- Compute expected value of optimal decisions given T
- Estimate value of information (difference in prev. slide)

