ST/02	Week	6
V · · ·		_

Def Probability function pos, x &D

Def. (Expectation)

 $E[g(X)] = \sum_{x \in \mathcal{D}} g(x) p(x)$ prob. function of X

Important: manually define some helper ramelom variables in the solution

Axioms of probability

- 1) P(A) 20, Yevent A
- 2) P(S) = 1
- 3) For a seq. of pairwise disjoint (Aiy, (ie Ain Aj = \$, Vi + j) P(JA;) = 2 P(A;)

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