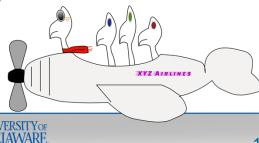
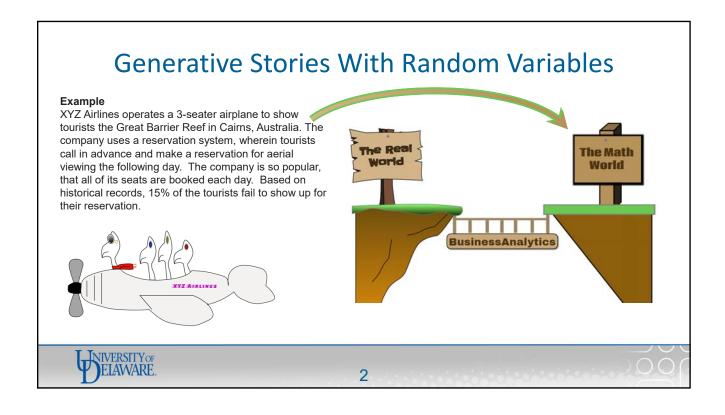


Generative Stories With Random Variables

Example

XYZ Airlines operates a 3-seater airplane to show tourists the Great Barrier Reef in Cairns, Australia. The company uses a reservation system, wherein tourists call in advance and make a reservation for aerial viewing the following day. The company is so popular, that all of its seats are booked each day. Based on historical records, 15% of the tourists fail to show up for their reservation.

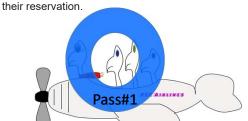




Modelling Passenger #1's Arrival To Airplane

Example

XYZ Airlines operates a 3-seater airplane to show tourists the Great Barrier Reef in Cairns, Australia. The company uses a reservation system, wherein tourists call in advance and make a reservation for aerial viewing the following day. The company is so popular, that all of its seats are booked each day. Based on historical records, 15% of the tourists fail to show up for



QUESTION: What is the probability passenger #1 arrives at the airplane?



3

