









Birthday Pairs

How likely is P near 43.6? Pr[|P - 43.6| > k]hard to calculate! Variance easy to calculate!

@ 0 0

Albert R Mever

December 1, 2013

Pairwise Independence

[Albert and Drew have same b'day] is independent of

[David and Mike have same b'day]

that is, Malbert, Drew & Moavid, Mike are independent

Obvious since the b'days of Albert, Drew, David & Mike are mutually independent



December 1, 2013

birthday.7

Pairwise Independence

[Albert and Drew have same b'day]

is independent of

[Albert and Mike have same b'day]

that is, Malbert Drew & Malbert Mike are independent

(pairwise, but not 3-way:

M_{Drew,Mike} depends on other two)

@ 0 @

Albert R Meyer





