# SET RELATIONSHIPS:  D.I.C.E.S.

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Disjoint
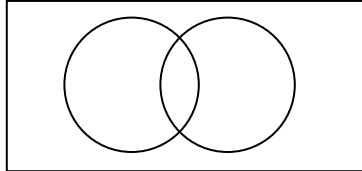
Probability:
"mutually
exclusive events"
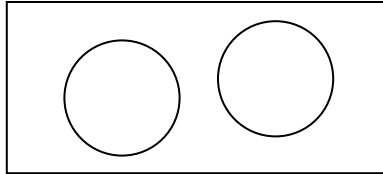
$A \cap B = \varnothing$
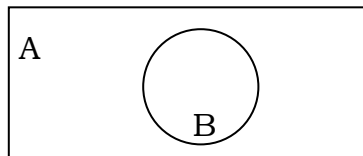
Intersecting

Probability:
"independent
events (perhaps)"

$A \cap B \neq \varnothing$
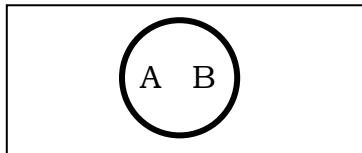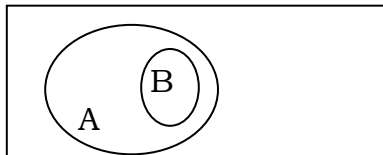
Complementary

Probability:
"complementary
events"

A

B

$A \cup B = U$
$A \cap B = \varnothing$

Equal

A   B

Subset

B

A

$B \subseteq A$