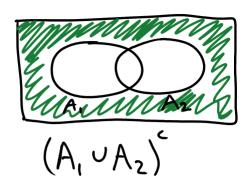
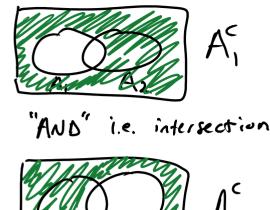
DeMorgan's First Law (A, VAz) = AcnAz







General Statement of Demorgan's First Law $(\bigcup A_j) = \bigcap A_j^c$ Why? An outcome is in (UA;) c if and only if it is not in UA; i.e. if and only if it is missing from each A; i.e. if and only if the outcome is in all of the A;'s i.e.

A;