Euents

- An event is a subsert of sample space. Four each went we assign a collect of sample points, which constitute à subset of sample space. That paenticular subset suffresents all of the clements for which the went is time.

- Éceent may be a subset that has entière space son a subset of son a null set (\$).

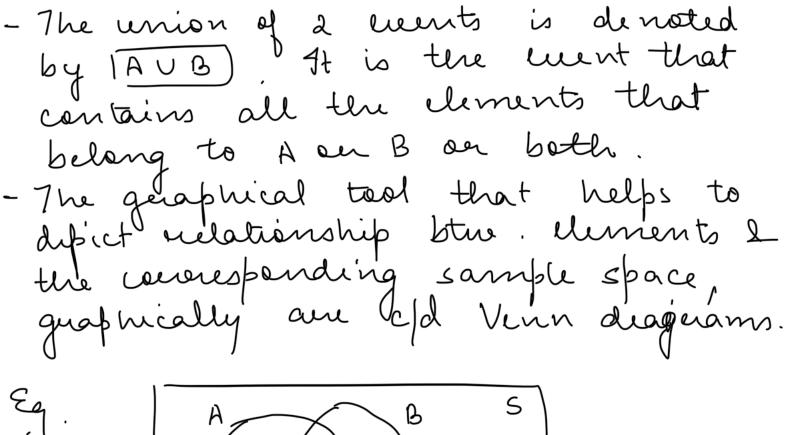
- A compliment of went A west S is the subset of all climents of S that are not in A. The compliment

of A is denoted by A'.

- The intersect of 2 events A & B
is denoted by AAB . It is the
event that contains all the elements that are common to both A L B.

- Four some statistical experiments, by no means une can define à vients A & B that can a cour simultaneously. Tue such events A & B are mutually enduse on disjoint ments. If ANBJ = p, A & B have no common

ements.



Fg. A 7 2 6 5 5 5 5 C

 $A \cup C = Reg. 1, 2, 3, 4, 5, 7$ $B' \cap A = Reg. 4 A 7$ $A \cap B \cap C = Reg. 1$ $(A \cup B) \cap C' = Reg. 2, 6, 7$