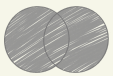
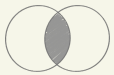
# SET OPERATIONS

Operations available to set objects in python, plus statistical and visual representations

| method | alternative | meaning | diagram |
|---|---|---|---|
| l.isdisjoint(r) | (none) | $A \cap B = \phi$<br>intersection of A and B is the empty set |  |
| l.issubset(r) | l < r | $A \subseteq B$<br>every element in A is in B |  |
| l.issuperset(r) | l > r | $A \supset B$<br>every element in B is in A, but B != A |  |
| l.union(r) | l \| r | $A \cup B$<br>every element in A or B |  |
| l.intersection(r) | l & r | $A \cap B$<br>every element in A and B |  |
| l.difference(r) | l - r | $A - B$<br>every element in A but not in B |  |
| l.symmetric_difference(r) | l ^ r | $(A \cup B) - (A \cap B)$<br>every element in A or B, but not both |  |