

Boolean Operators and Venn Diagrams

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References

ESRI Help, Wikipedia, Getting To Know ArcGIS,
Introduction to Geographic Information Systems

Boolean Logic

It's a 0, or It's a 1

Yes or No

On or Off

Boolean Logic is Suited to Computers
Because Computers Use a
0 or 1
To Process Information.

SQL, an Expression to Query Database's
Is a Boolean Expression

Basic SQL Query

A Boolean Expression

Has Operands and Operators

Parcel.Id > 500
Operand-Operator-Operand

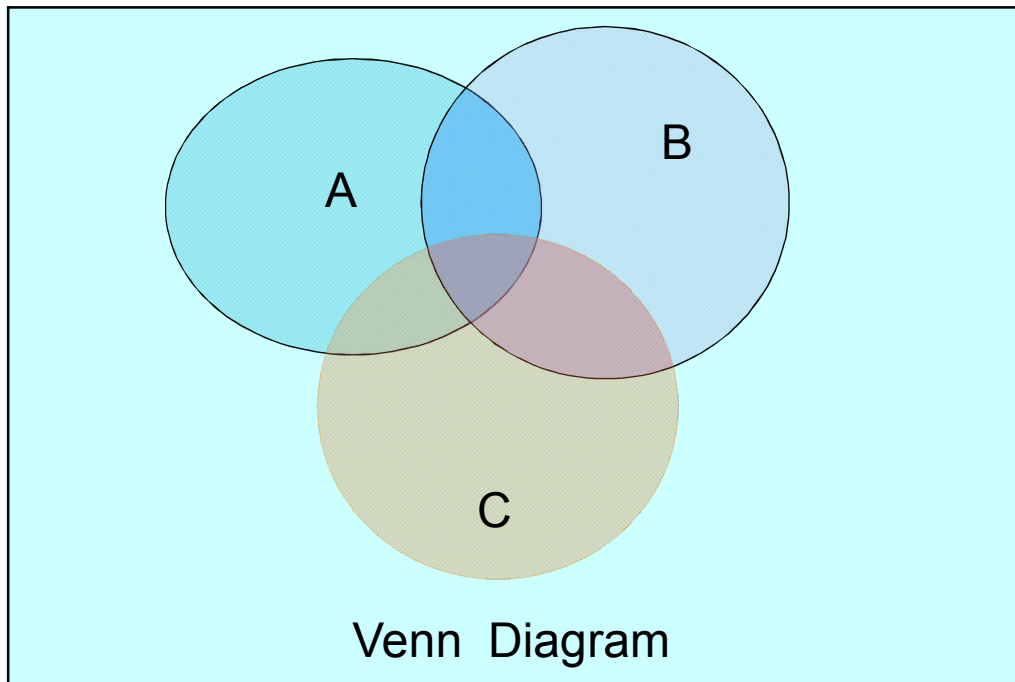
Boolean Operators

=, >, <, =>, =<, <>

Boolean Connectors

NOT, AND, OR, XOR

Totl.Value >= 125000 AND
Totl.Value <= 200000 AND
Lot.Sq.Ft. > 10000 AND
LotSq < 20000 AND LotId.
NOT 500



Venn Diagrams Show the Possible Relationships Between Sets

"A" was Houses on 20000 sq. ft. Lots
"B" was Houses less than \$100,000
"C" was Houses greater than \$100,000

"A,B,C"