# Statistics and Probability
Unit 1
Interpreting Categorical and Quantitative Data

Interpreting Categorical and Quantitative Data

Summarize, represent, and interpret data on a single count or measurement variable.

Standardize distributions with z-scores.

Summarize, represent, and interpret data on two categorical and quantitative variables.

Interpret linear models.

ID.A.1-3

ID.A.4

ID.B.5-6

ID.B.6.A-C

ID.C.7-9

Key: ■ Major Clusters; ■ Additional / Supporting Clusters
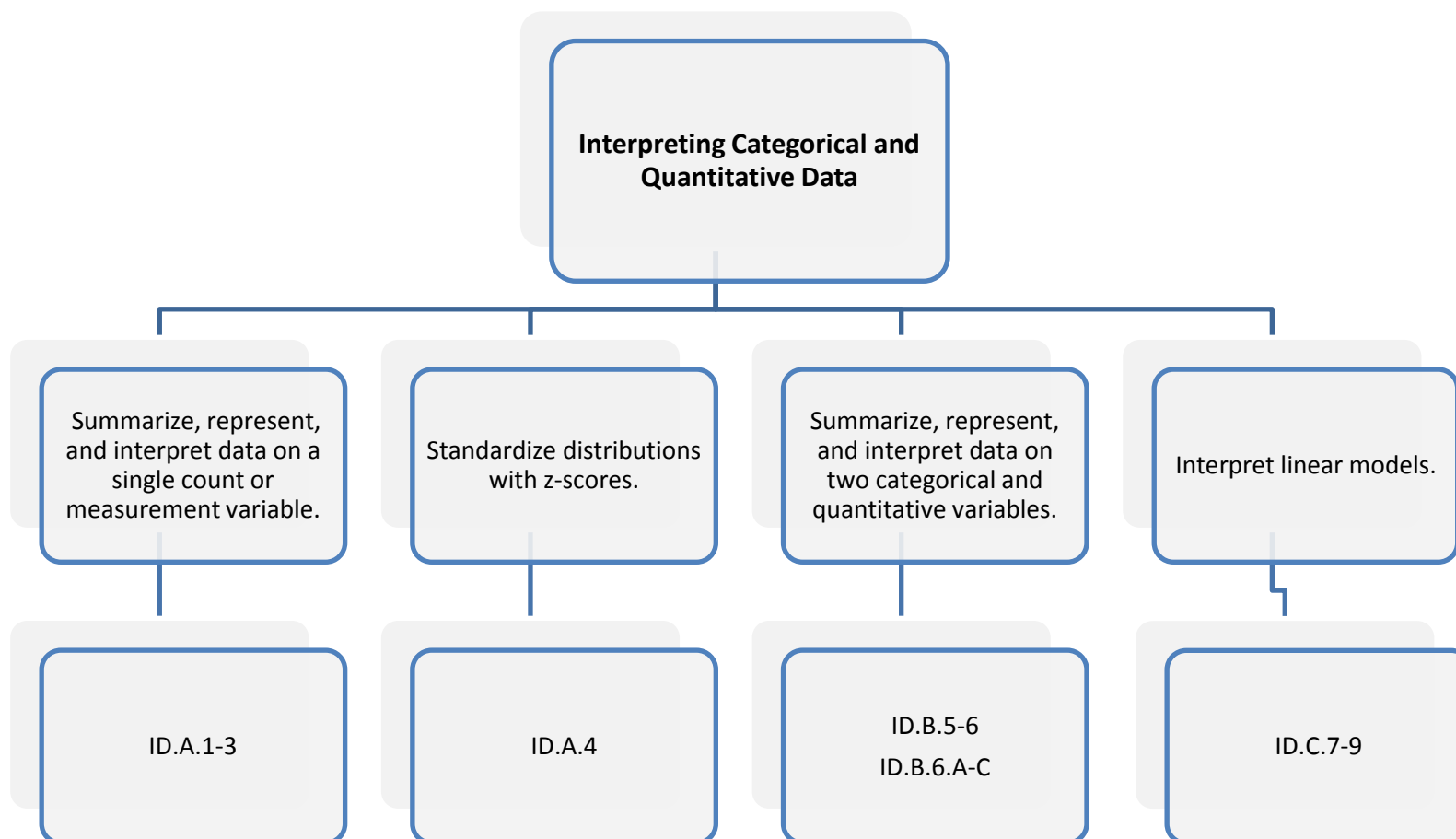
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Unit 2
Designing and Evaluating Studies

Designing and Evaluating Studies

Understand and evaluate statistical studies: sample surveys, experiments, and observational studies.

Justify conclusions from statistical studies.

IC.A.1

IC.B.3

IC.B.6

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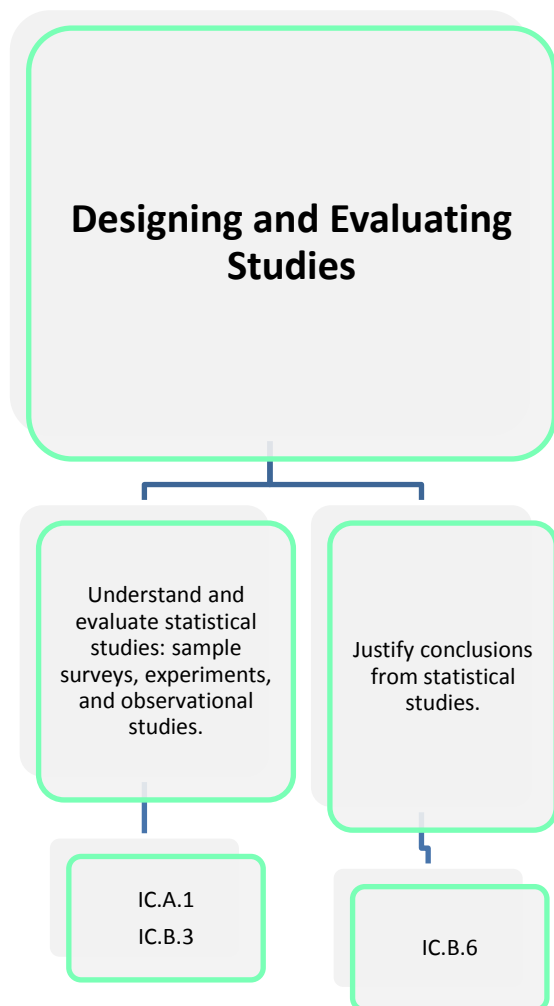
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Unit 3

Probability Rules

Probability
Rules

Use the rules of
probability to compute
probabilities of
compound events.

Understand
independence and
conditional probability
and use them to
interpret data..

CP.A.1

CP.B.7-9

CP.A.2-5

CP.B.6
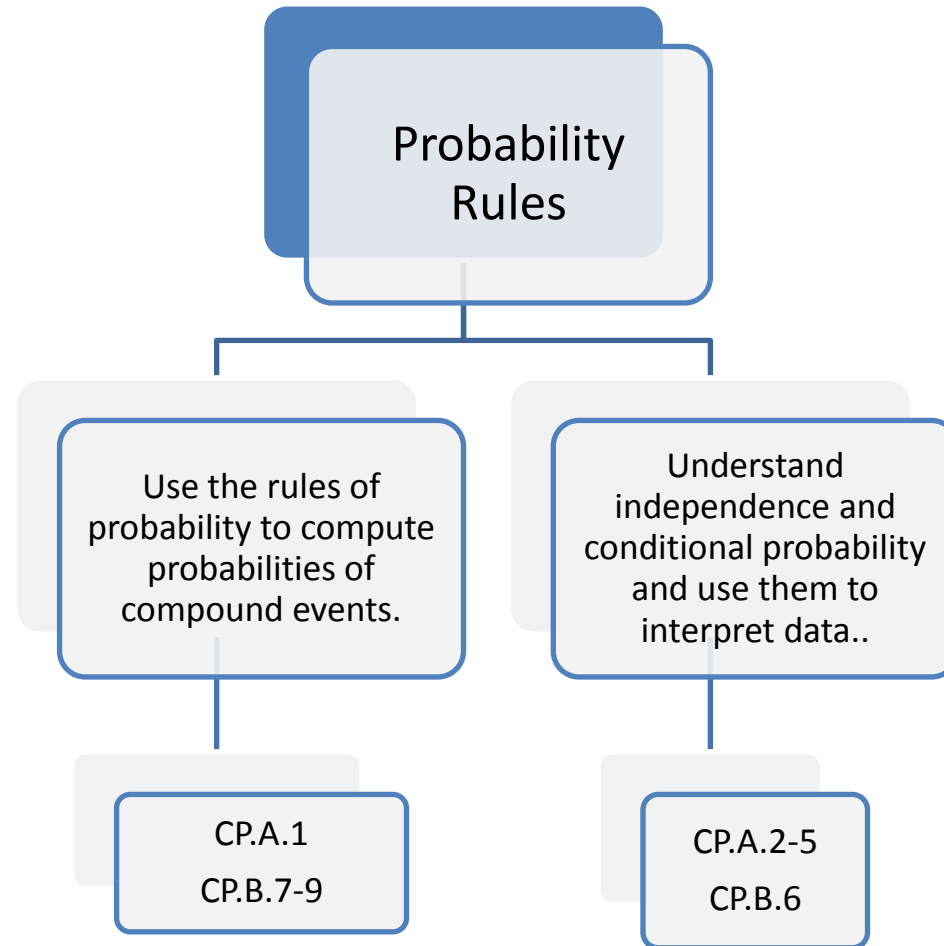
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Unit 4

Using Probability to Make Decisions

Using Probability to Make Decisions

Calculate expected values and use them to solve problems

Use probability to evaluate outcomes of decisions.

MD.A.1-4

MD.B.5 ,A,B

MD.B.6-7
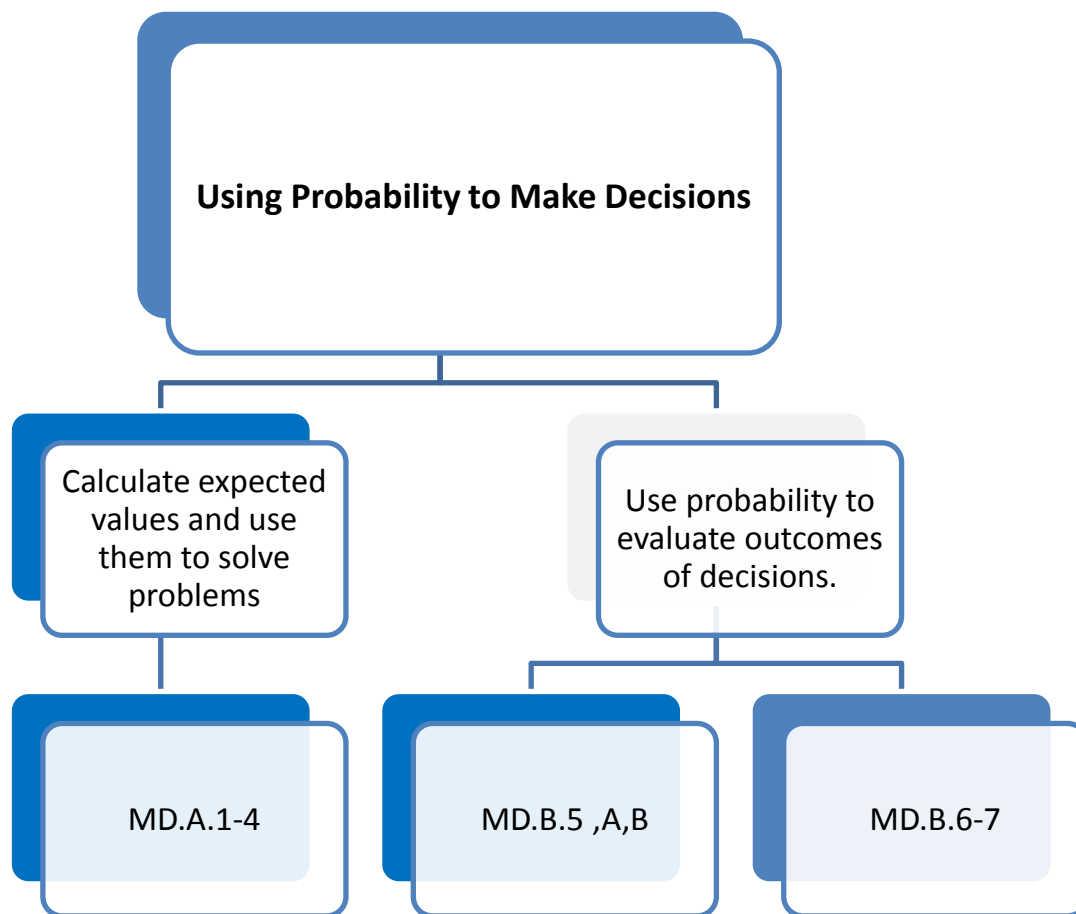
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Unit 5

Making Inferences and Justifying Conclusions