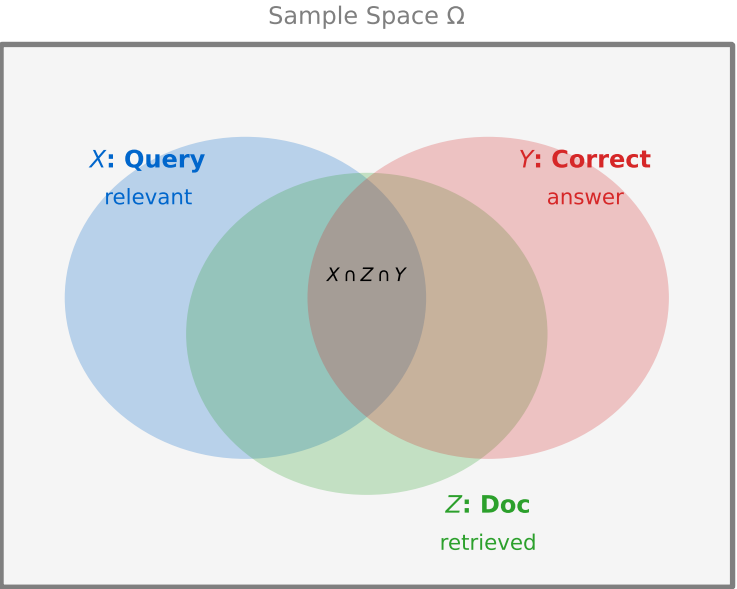


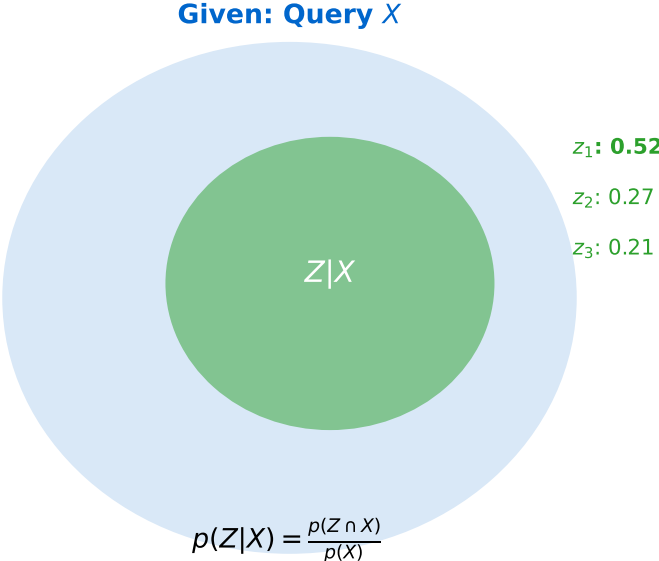
RAG Probabilities: Venn Diagram Interpretation

Sample Space: All Possible Outcomes



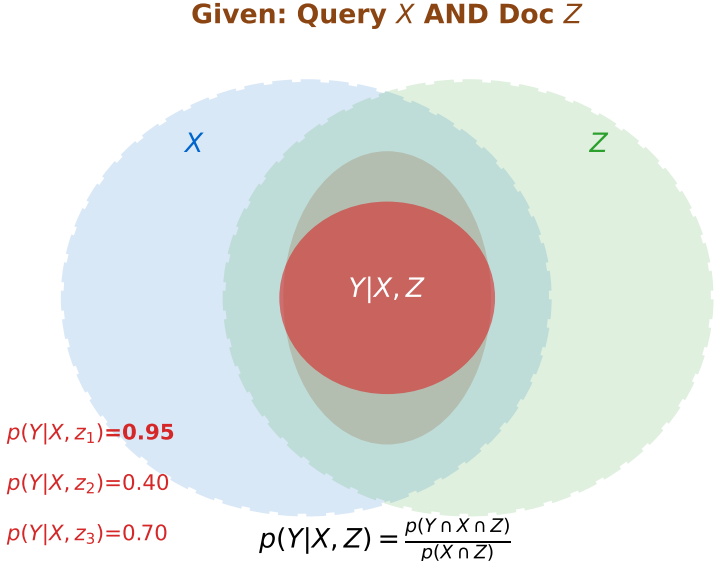
X = query context | Z = retrieved doc | Y = correct answer "Paris"

$p(Z|X)$: Retrieval Probability



How likely is doc Z retrieved given query X ?

$p(Y|X, Z)$: Generation Probability



Given query AND doc, how likely is correct answer?