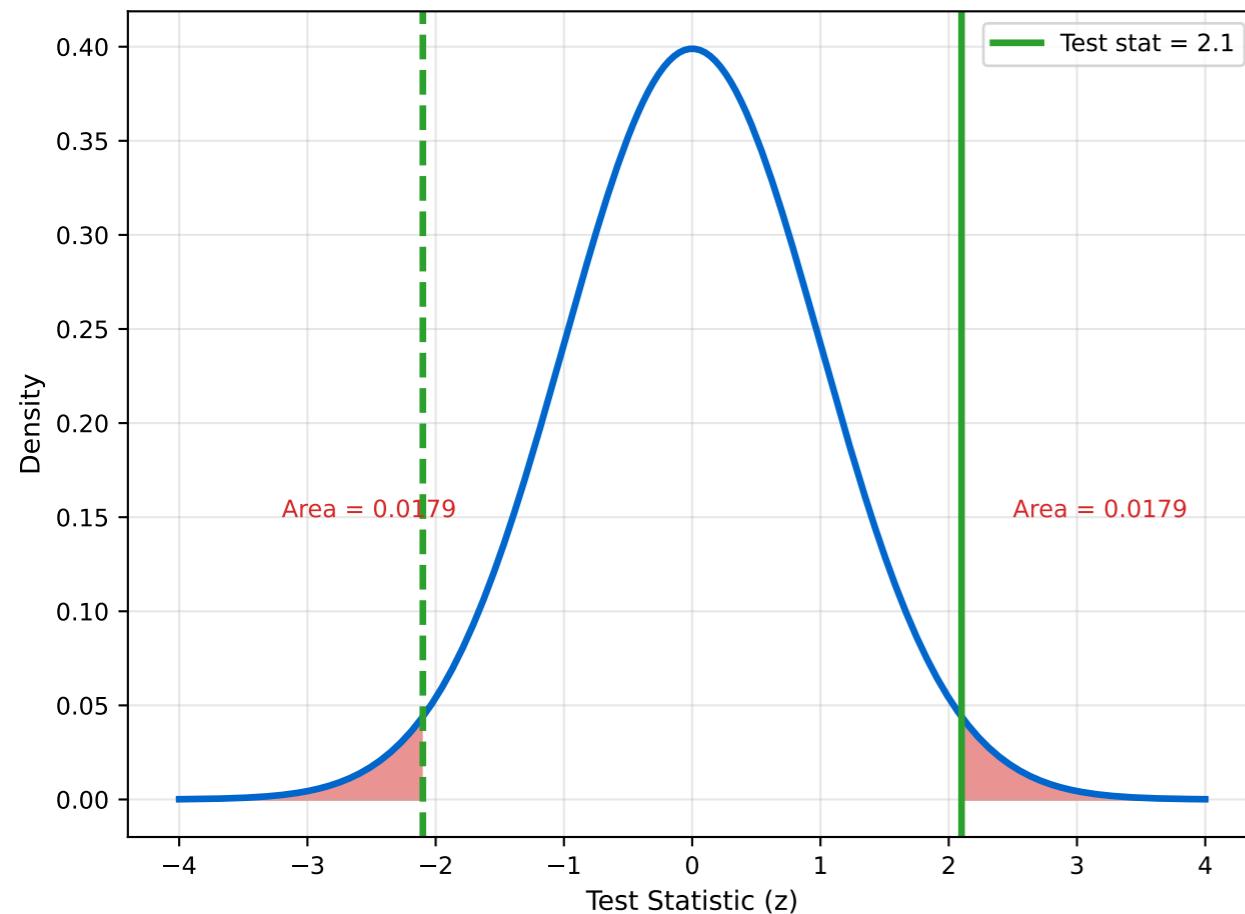
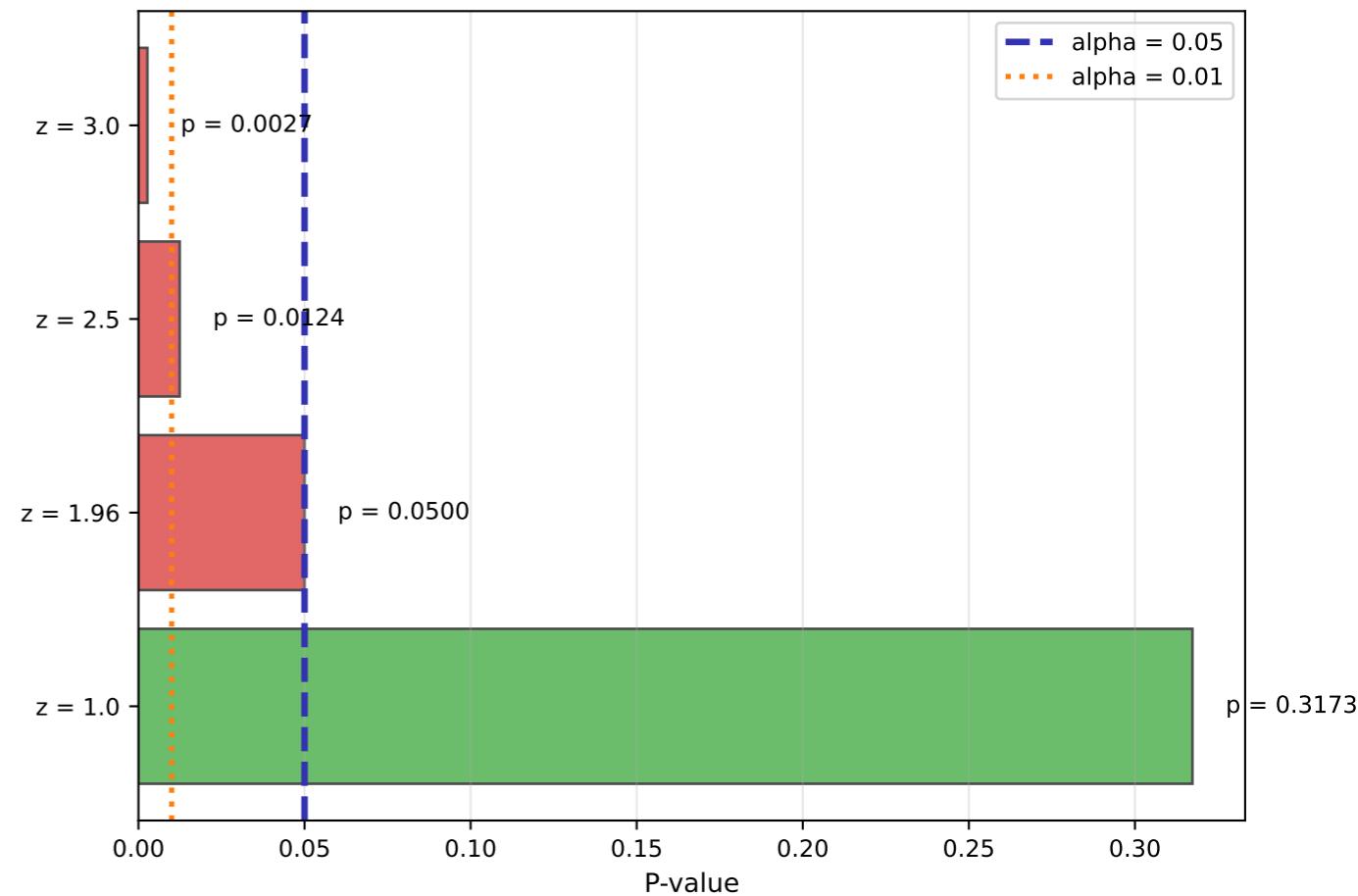


Understanding P-Values

P-value = 0.0357 (Two-tailed)



P-values for Different Test Statistics



P-Value Interpretation

$p > 0.10$	No evidence against H_0
$0.05 < p < 0.10$	Weak evidence against H_0
$0.01 < p < 0.05$	Moderate evidence against H_0
$0.001 < p < 0.01$	Strong evidence against H_0
$p < 0.001$	Very strong evidence against H_0

P-value = probability of seeing this result (or more extreme) if H_0 is true

X Probability that H_0 is true

X Probability that H_1 is true

X Probability of making an error

X Size of the effect

X Importance of the finding

P-value IS: Probability of data (or more extreme) given H_0 is true: $P(\text{Data} | H_0)$

Statistical significance != Practical significance