



# ASQ CRE Prep course

Lesson V. A. 1. a.

Reliability Test Strategies

Types of Testing

A person with curly hair and a backpack is silhouetted against a bright sunset over the ocean. The person is looking out towards the horizon. The ocean has white-capped waves, and a large rock is visible in the water. The sky is a mix of orange and blue.

# Demonstration Tests



# Qualification Testing



# Performance Testing



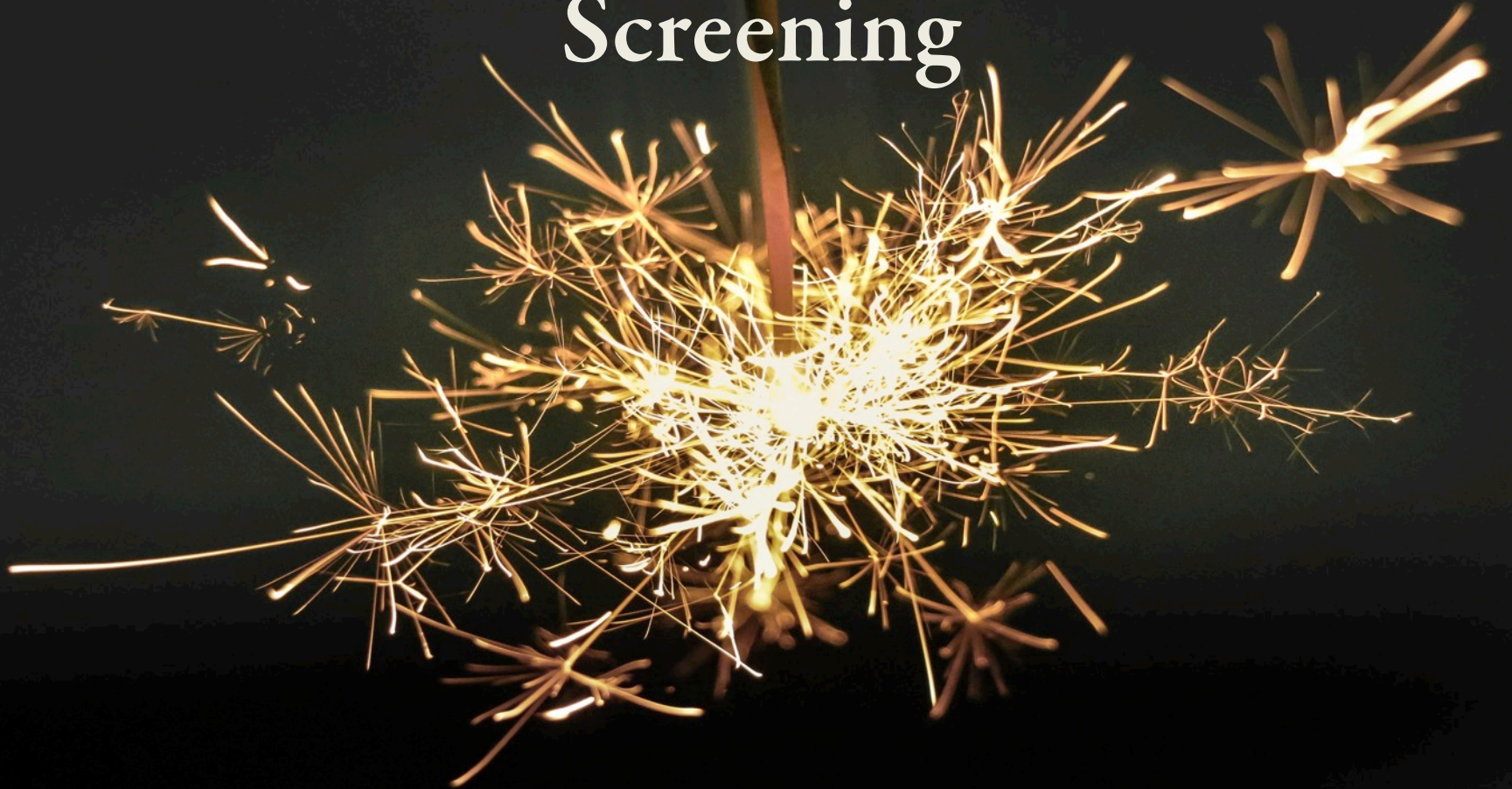




# Failure Free Testing

$$n = \frac{\ln(1 - C)}{m^{\beta} \ln(R)}$$

# Screening







# Development Tests



# Setting of Tolerances





# Attributes

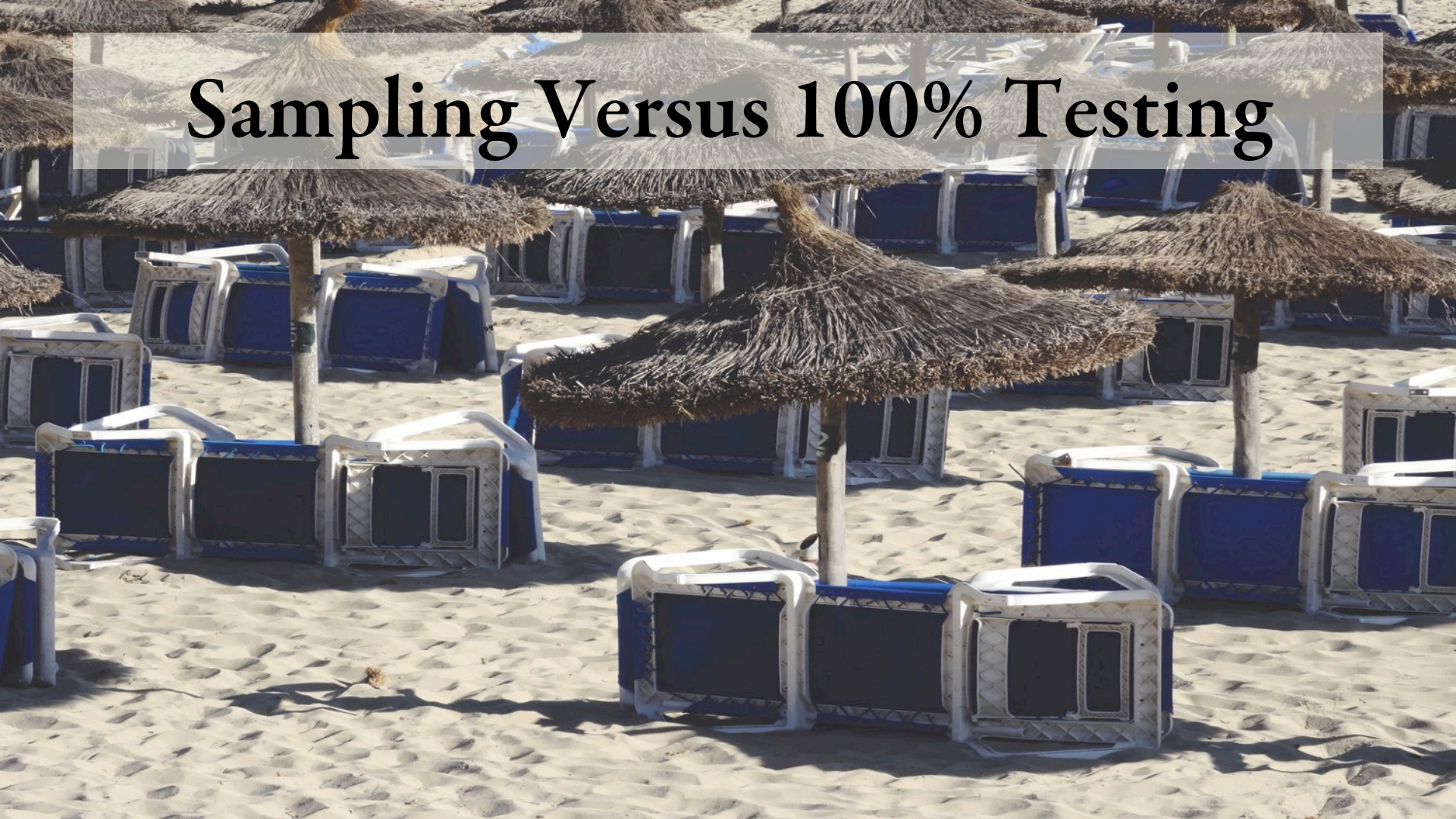


# Classification of Characteristics





# Sampling Versus 100% Testing



# Test Procedures

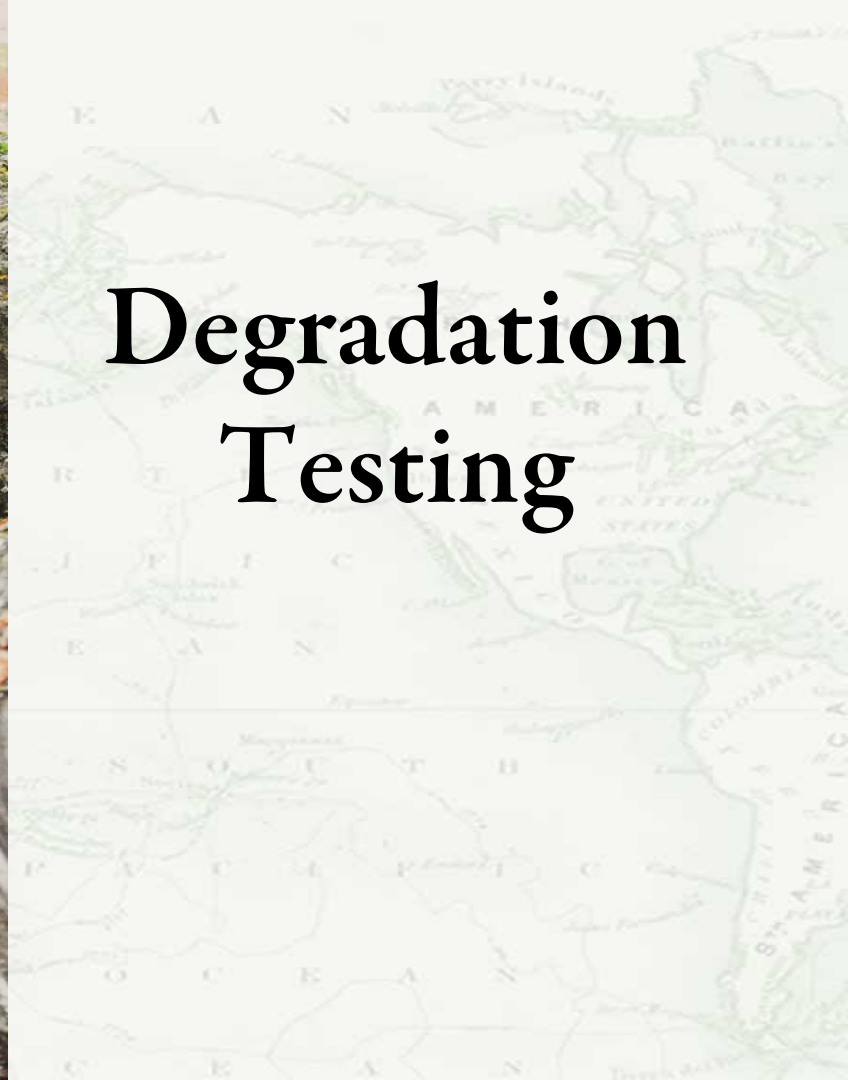




# Test to Failure







# Degradation Testing



# Truncation Tests



Other types of  
testing?





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Human Factors Testing