

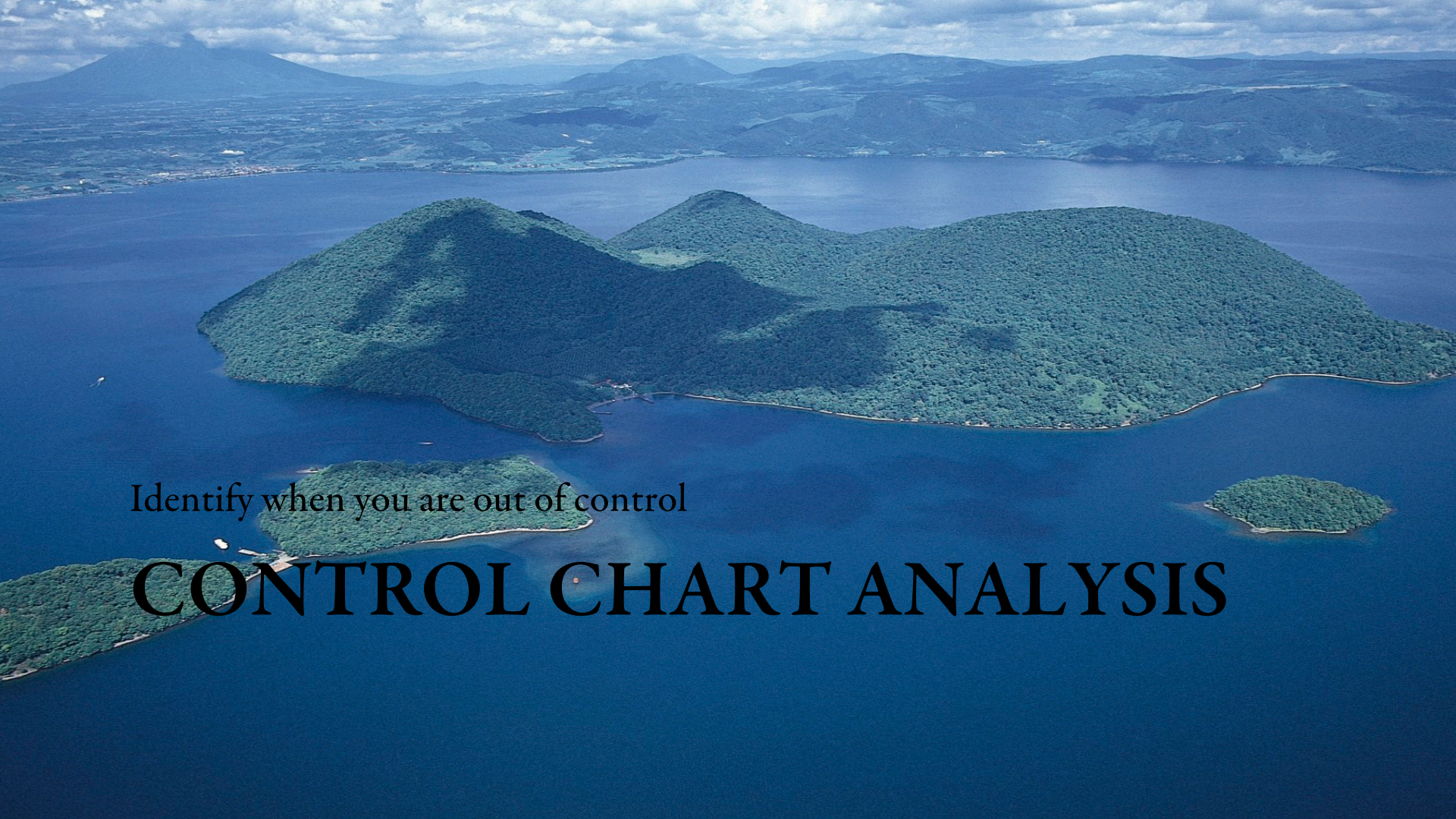


ASQ CRE Prep course

Lesson II. A. 7. f.

SPC and Process Capability

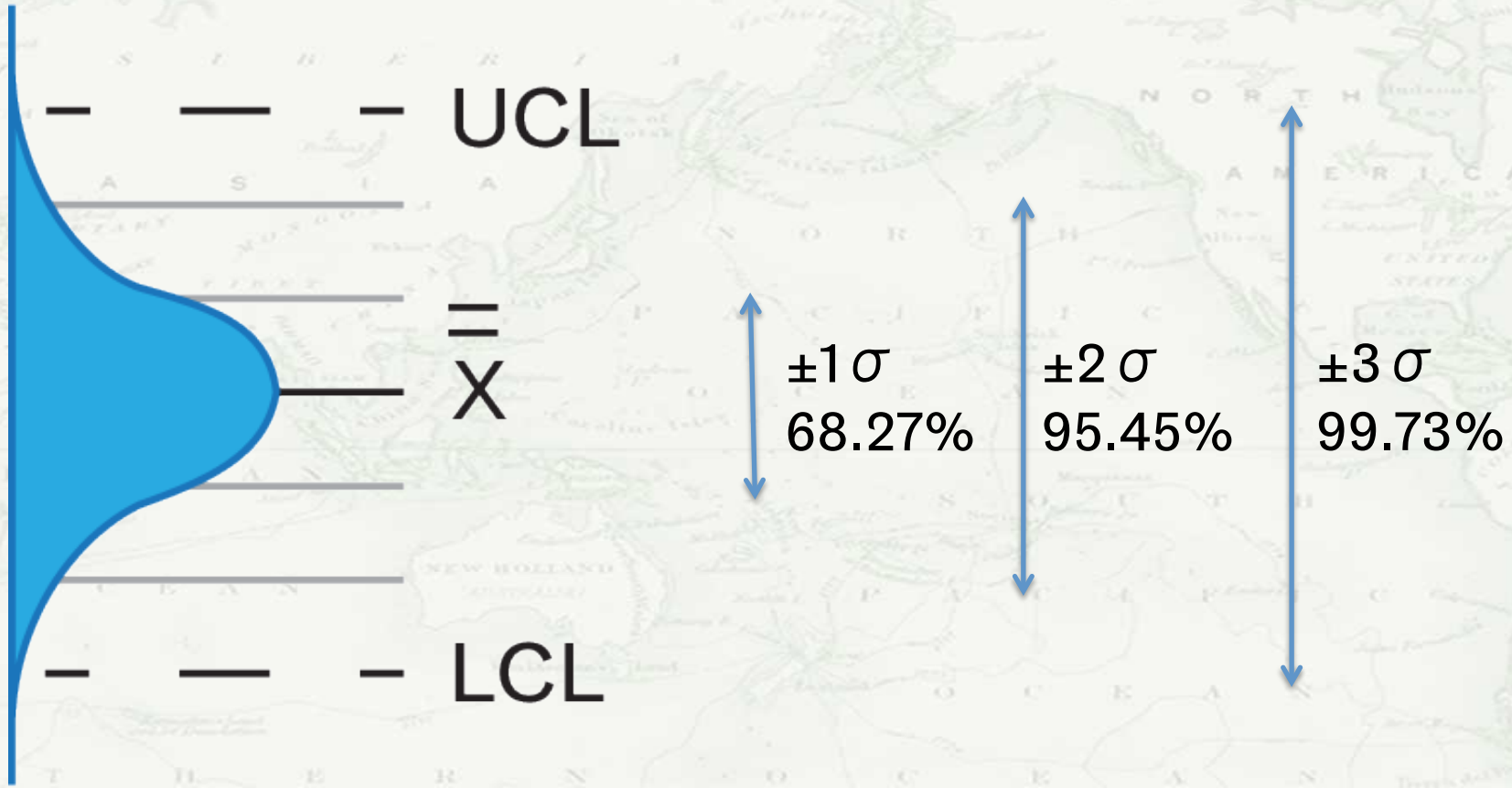
The Analysis

An aerial photograph of a large, deep blue lake. In the center, there are several large, rounded islands covered in dense green forest. A small peninsula with a few buildings is visible near the base of one of the islands. In the background, a range of mountains is visible under a sky with scattered white clouds. The overall scene is serene and natural.

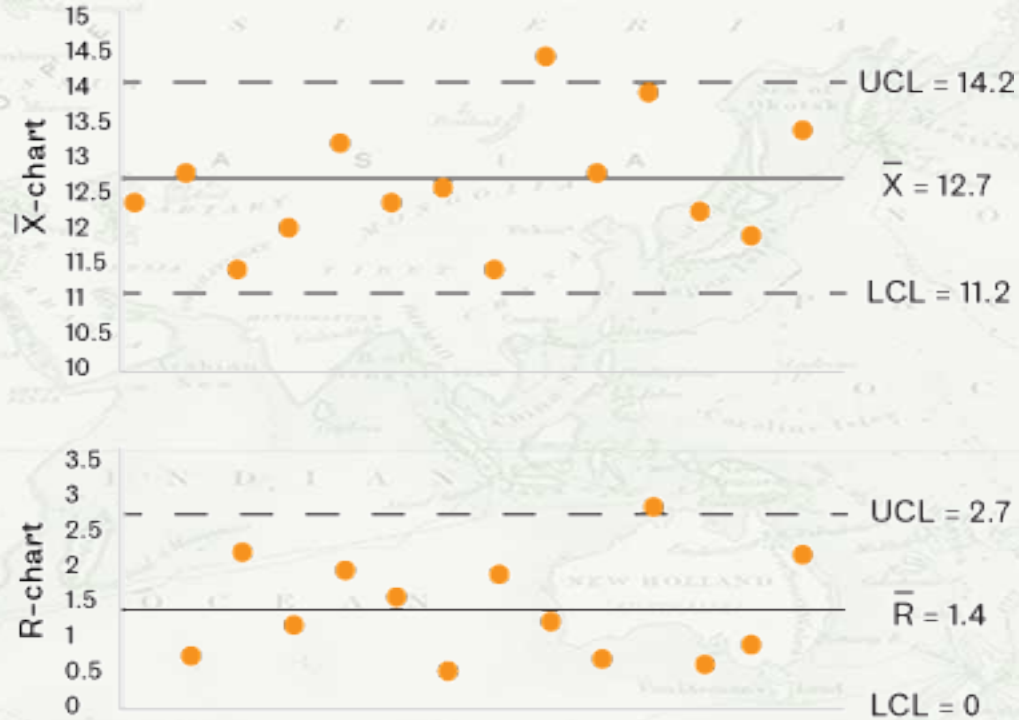
Identify when you are out of control

CONTROL CHART ANALYSIS

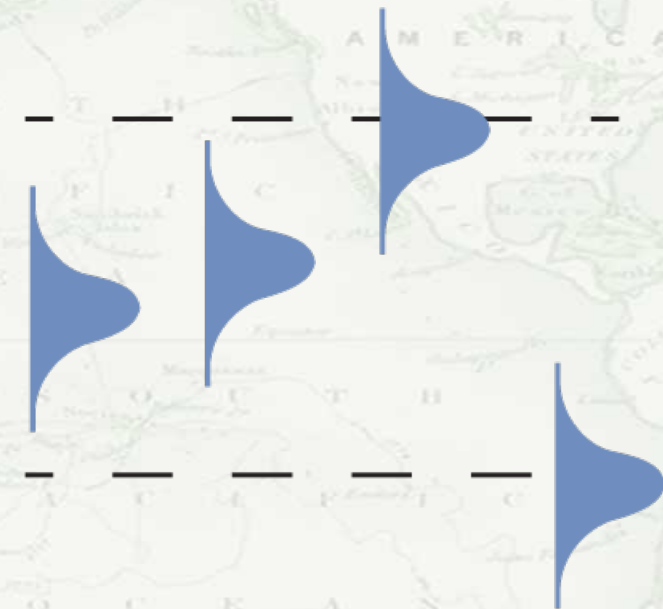
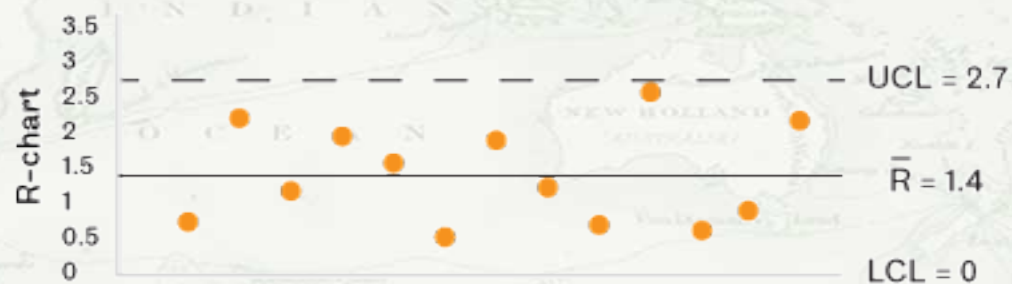
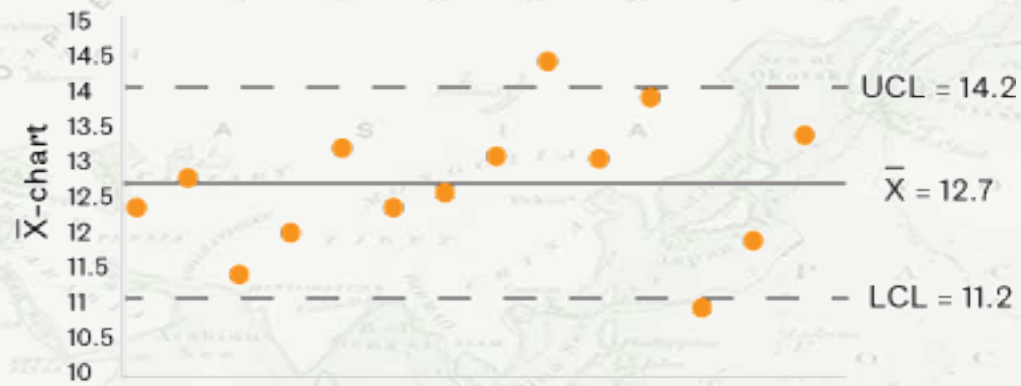
Special Causes indicate out of control



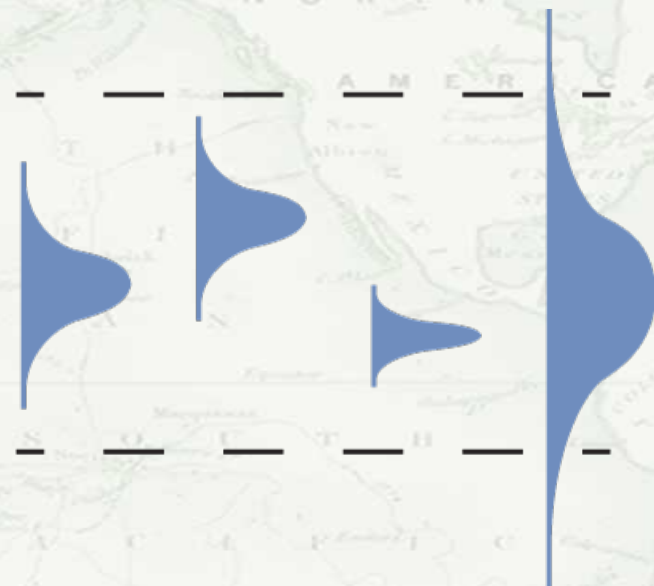
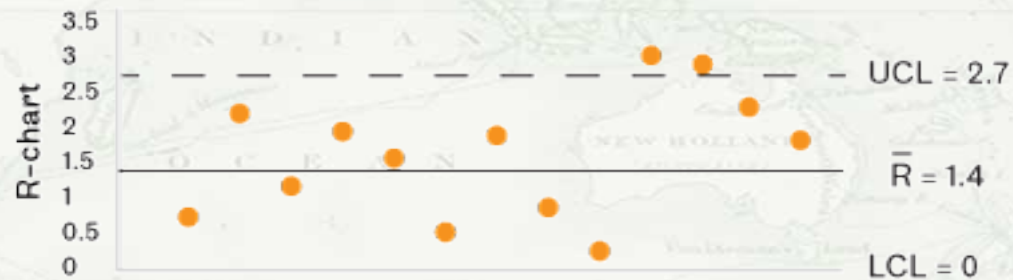
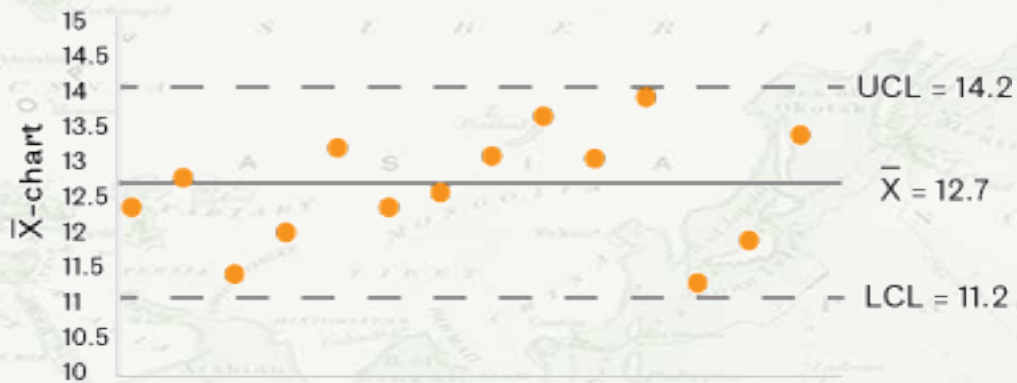
Average & Variation Out of Control



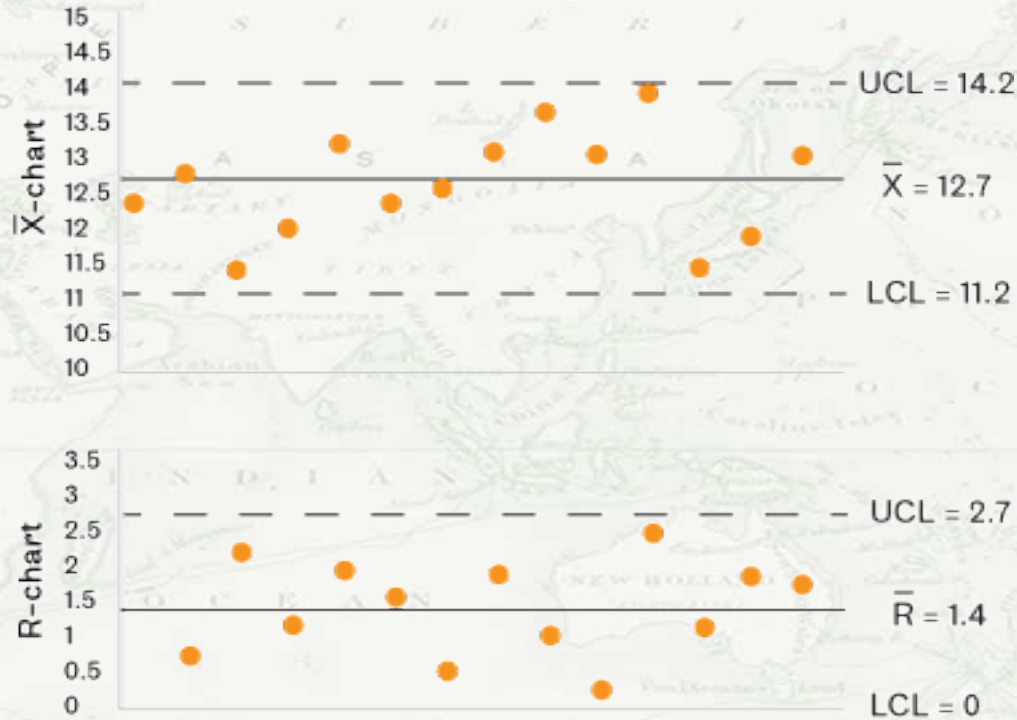
Average Out of Control



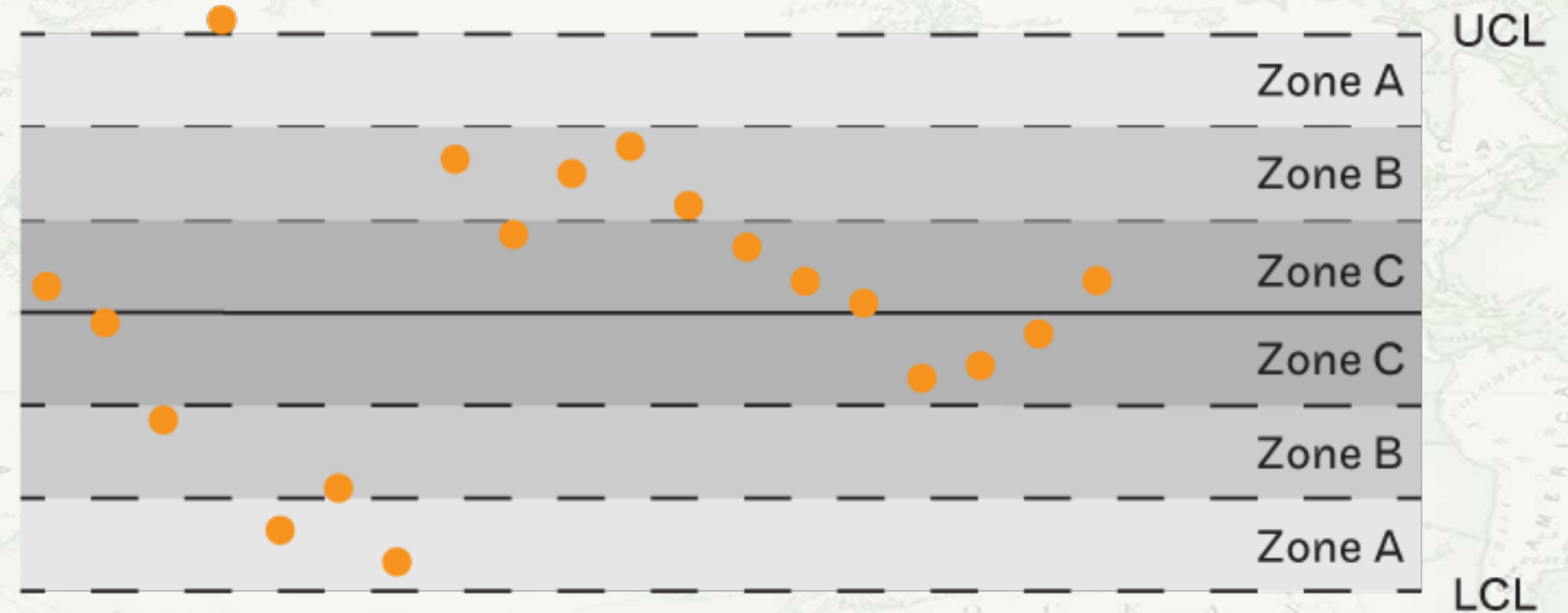
Variation Out of Control



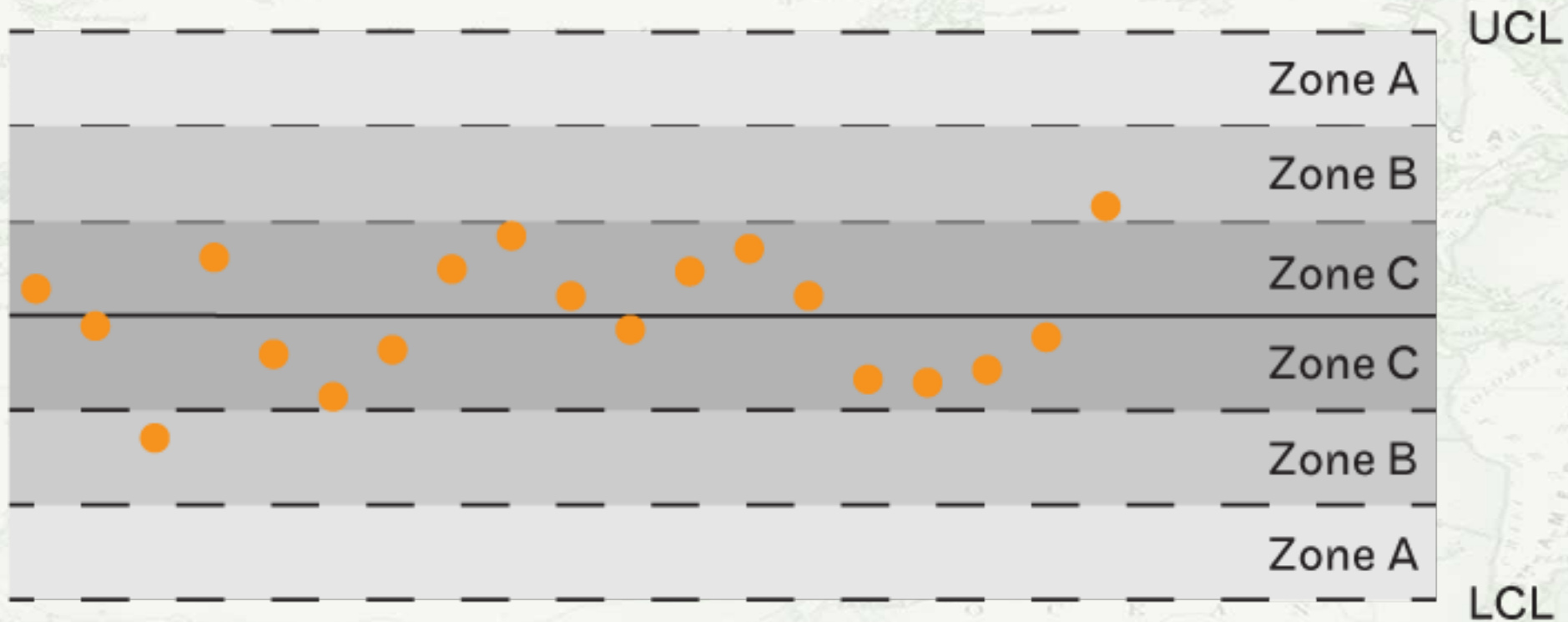
Process In Control



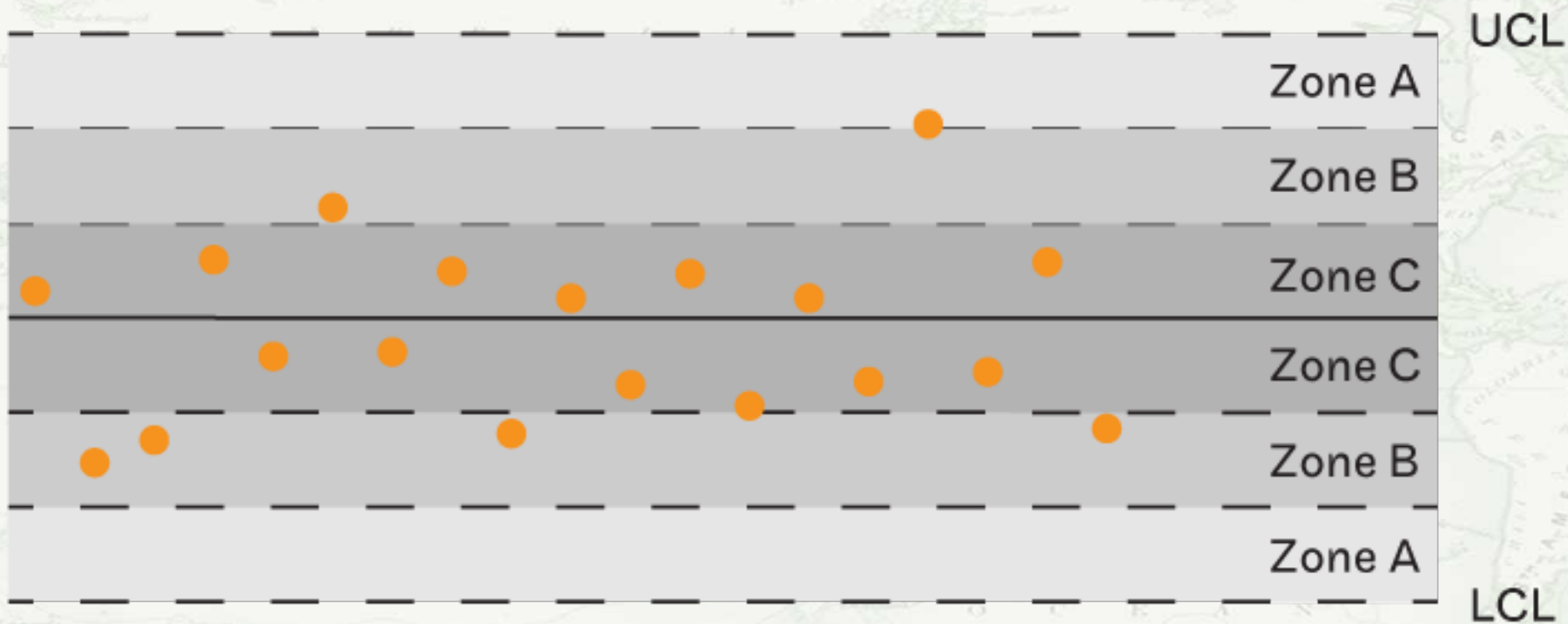
Five Common Rules



Stratification Rule



Mixture or Systematic Variation



What is the
probability of
each signal?



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SPC and Process Capability

Process Capability