
Part 8.6: Assumptions

When you are asked to justify the use of the Poisson distribution you use the acronym RIPS. If we look at the example of my car breaking down:

Random – the occurrence of breakdowns is random.

Independent – the occurrence of breakdowns is independent from other breakdowns.

Proportional – the occurrence of breakdowns is proportional to the amount of time.

Simultaneous – breakdowns cannot occur at the same time.

It is super important that you put all of the sections in context, rather than just stating what each letter means.