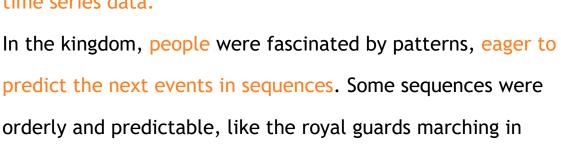


ApEn and SampEn In Forecasting

Once upon a time in the magical land of Data, there were two wise scholars named ApEn (Approximate Entropy) and SampEn (Sample Entropy).

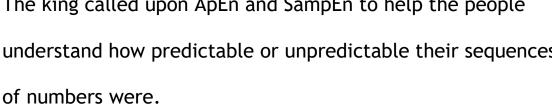
These scholars were known far and wide for their ability to understand the secrets of predictability and randomness in time series data.



sync, while others were chaotic and random, like leaves

dancing in the wind.

The king called upon ApEn and SampEn to help the people understand how predictable or unpredictable their sequences















ApEn: The Detective of Approximate Patterns

ApEn was a keen detective. His job was to find out how often patterns repeat in a sequence. Here's how he did it:



For ApEn: Lower values suggest higher forecastability, while a higher value indicated more randomness and lower forecastability

SampEn: The Guardian of Sample Pattern



• Lower SampEn values indicated more regularity and predictability, while higher values suggested more complexity and unpredictability

The King Concludes that, ApEn was great at providing a quick look, SampEn offered a more precise view by avoiding selfmatches.



In the end, the people used the wisdom of ApEn and SampEn to make better decisions, predict future events, and bring more order to the kingdom of Data.

And thus, ApEn and SampEn became legends in the realm of time series analysis, their methods cherished by data analysts and researchers everywhere



Story by Rubhini.S

Thanks for reading...

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