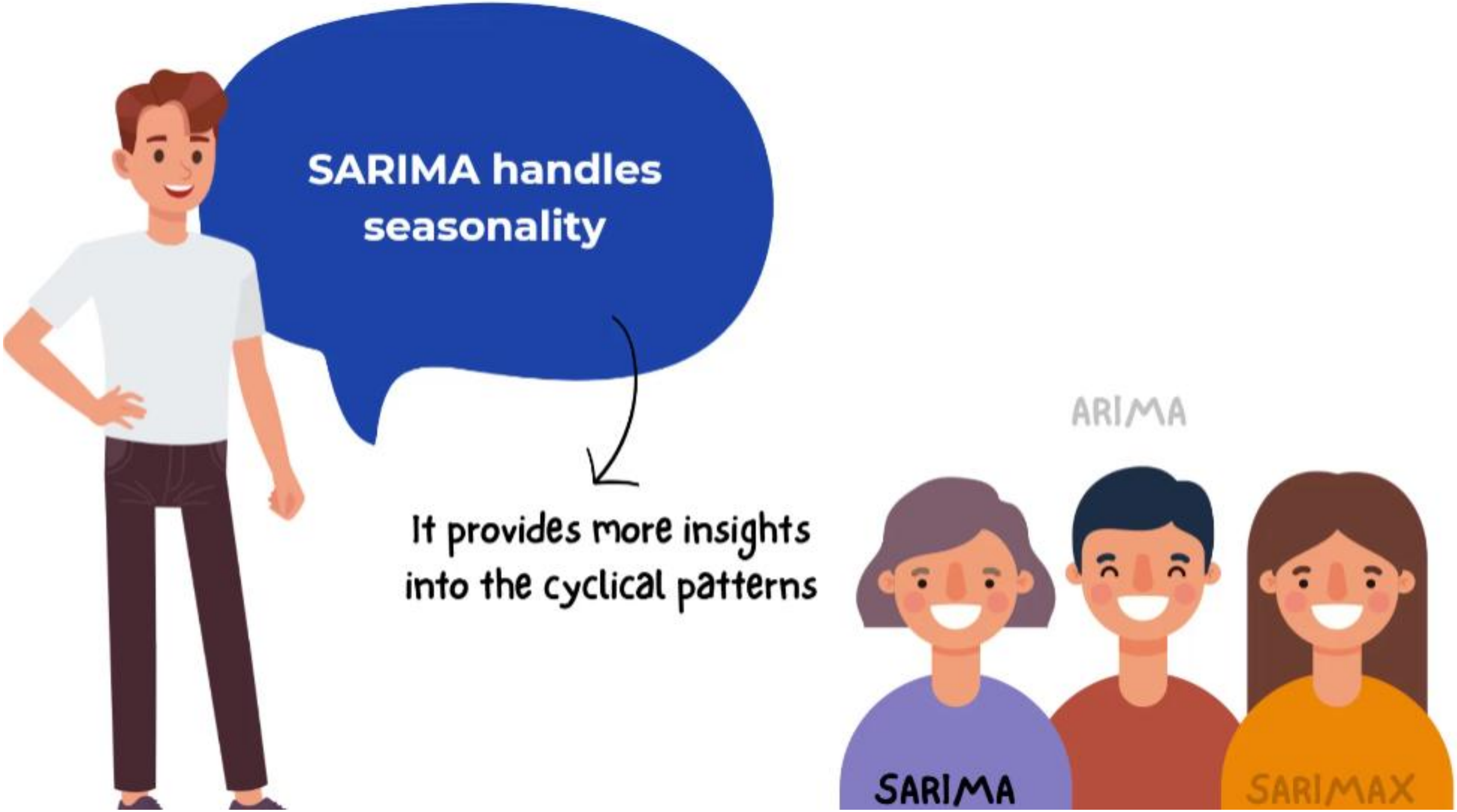
Cognate/Professional Electives

SARIMA

SEASONAL AUTOREGRESIVE INTEGRATED MOVING AVERAGE (SARIMA)

Cognate/Professional Electives



SEASONAL AUTOREGRESIVE INTEGRATED MOVING AVERAGE (SARIMA)

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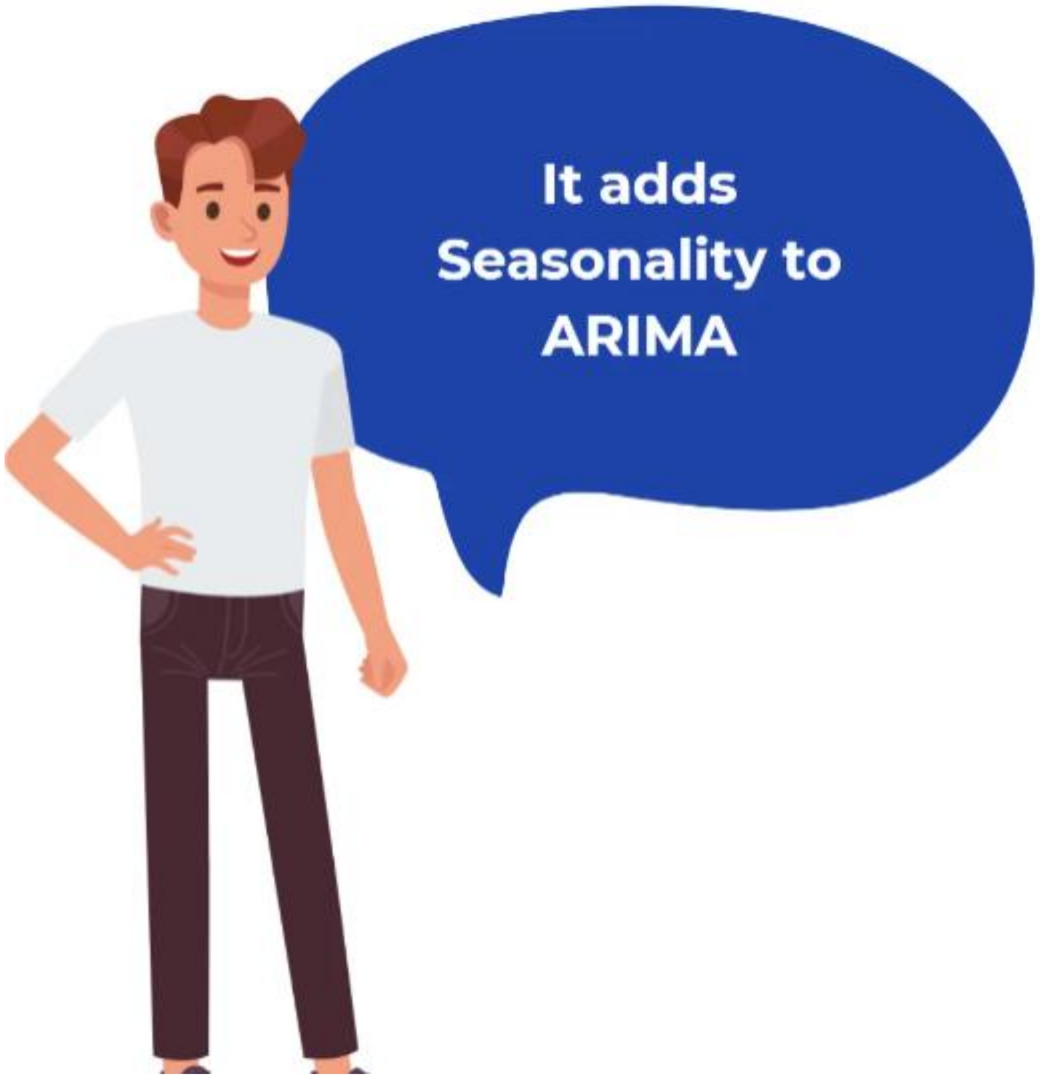

SEASONAL AUTOREGRESIVE INTEGRATED MOVING AVERAGE (SARIMA)

Cognate/Professional Electives

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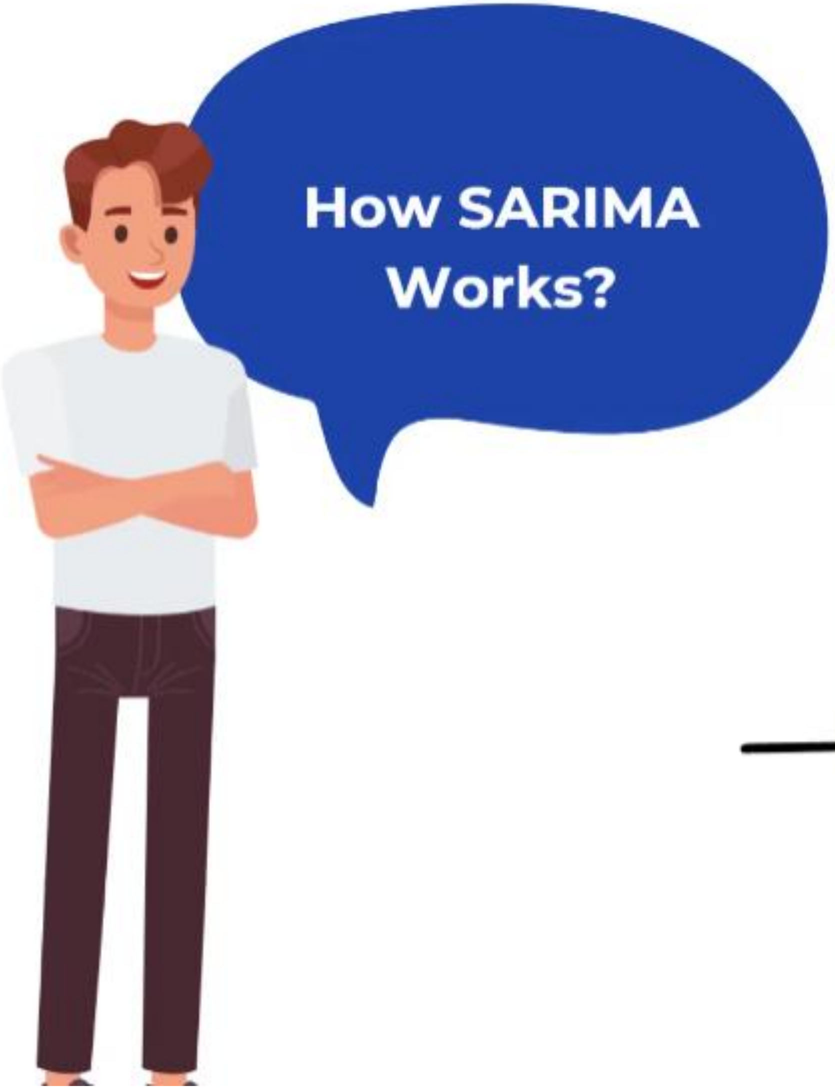
SARIMA(p, d, q)(P, D, Q)m

- p, d, q = non-seasonal components
- P, D, Q = seasonal components

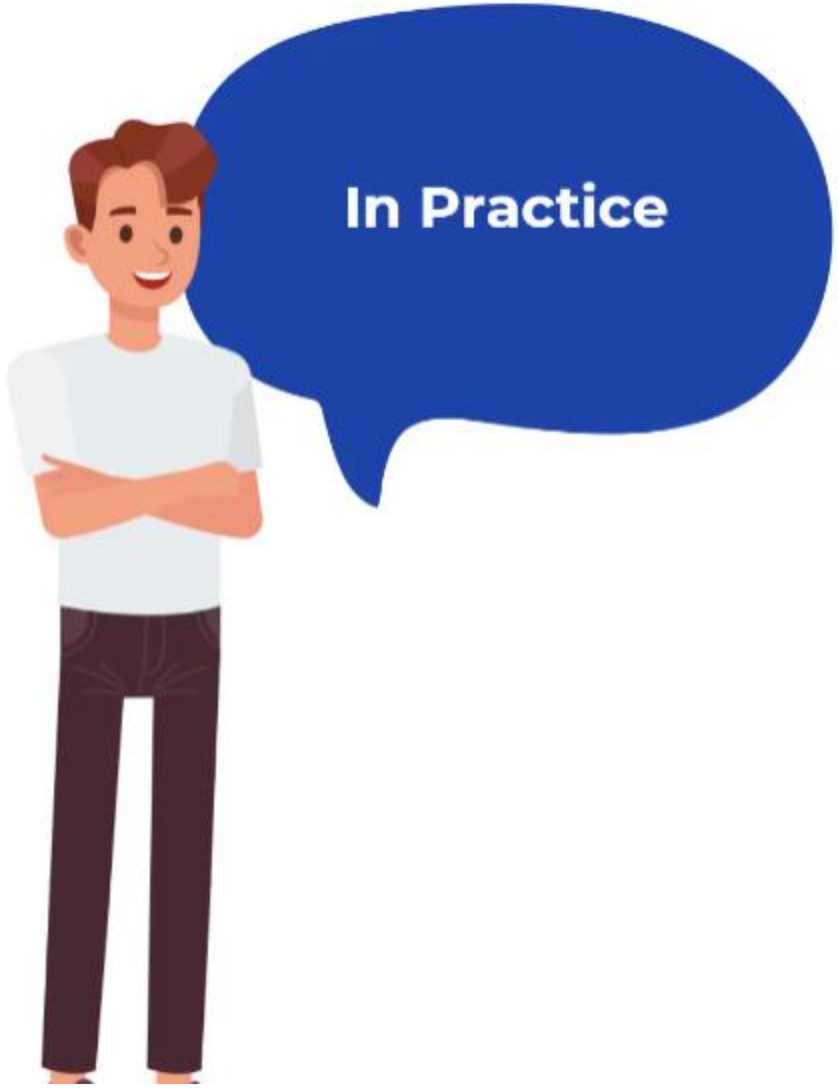
- P = seasonal autoregressive order
- D = seasonal differencing order
- Q = seasonal moving average order
- m = number of periods in each season

Cognate/Professional Electives

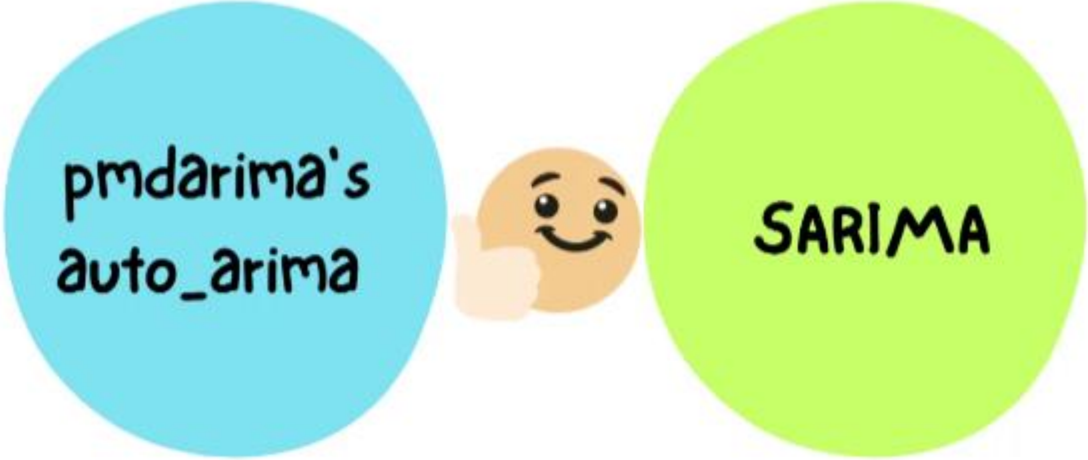


- Seasonal Differencing (D): stabilize seasonal patterns in the data.
- Seasonal Auto-regression (P): looking at past seasonal data to forecast future sales.
- Seasonal Moving Average (Q): looks into the past errors.

SEASONAL AUTOREGRESIVE INTEGRATED MOVING AVERAGE (SARIMA)



SARIMA is balancing seasonal and non-seasonal parameters.



- SARIMA is best with data showing predictable fluctuations

Thank you very much for listening.