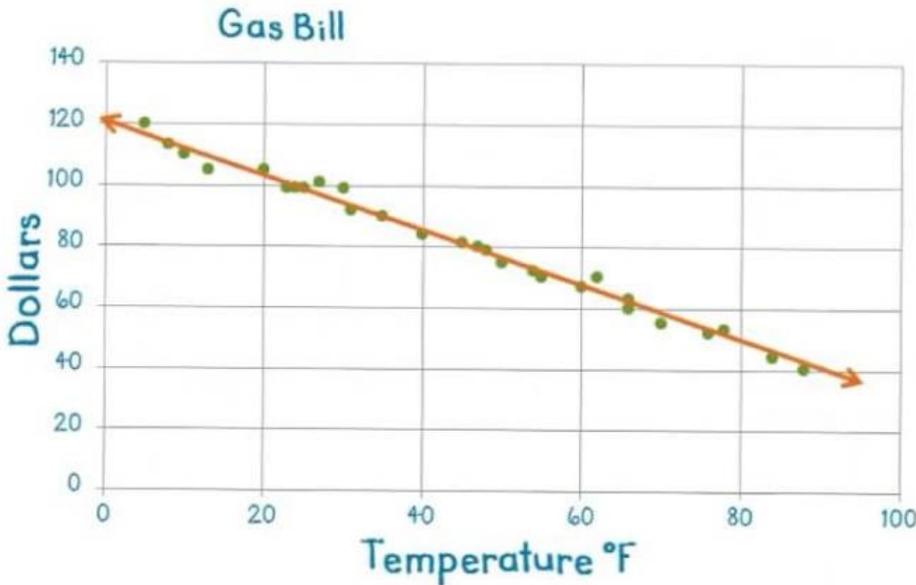


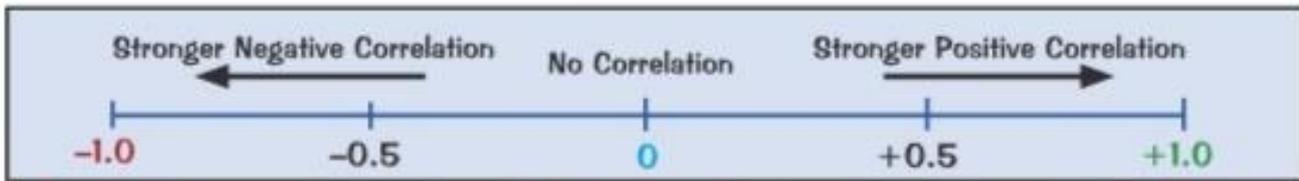
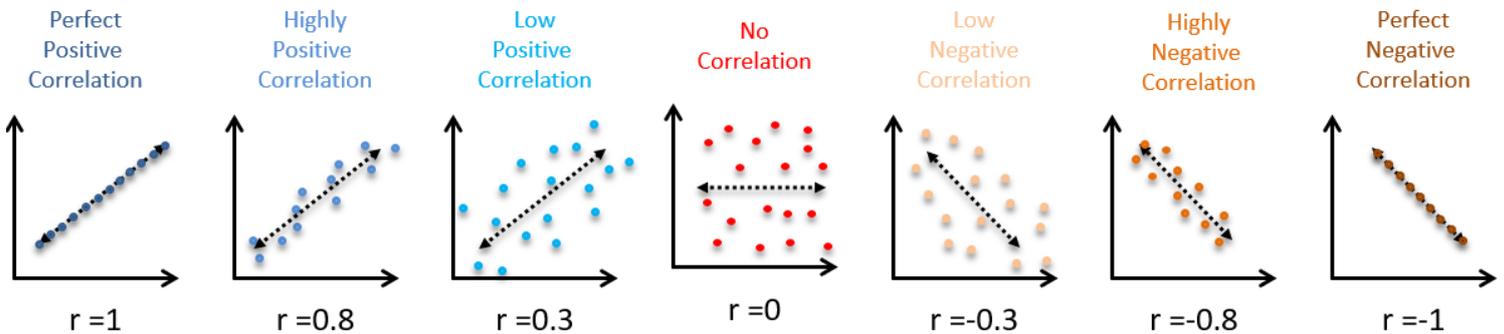
# Scatter Diagrams & Correlation

## Examples and key information



### Key words

- axis
- bivariate
- independent variable
- dependent variable
- explanatory variable
- response variable
- interpolate
- extrapolate
- reliable
- unreliable
- prediction
- correlation



Complete opposite ranks

No agreement between ranks

Perfect agreement between ranks

Success Criteria: Scatter Diagrams & Correlation

I can...

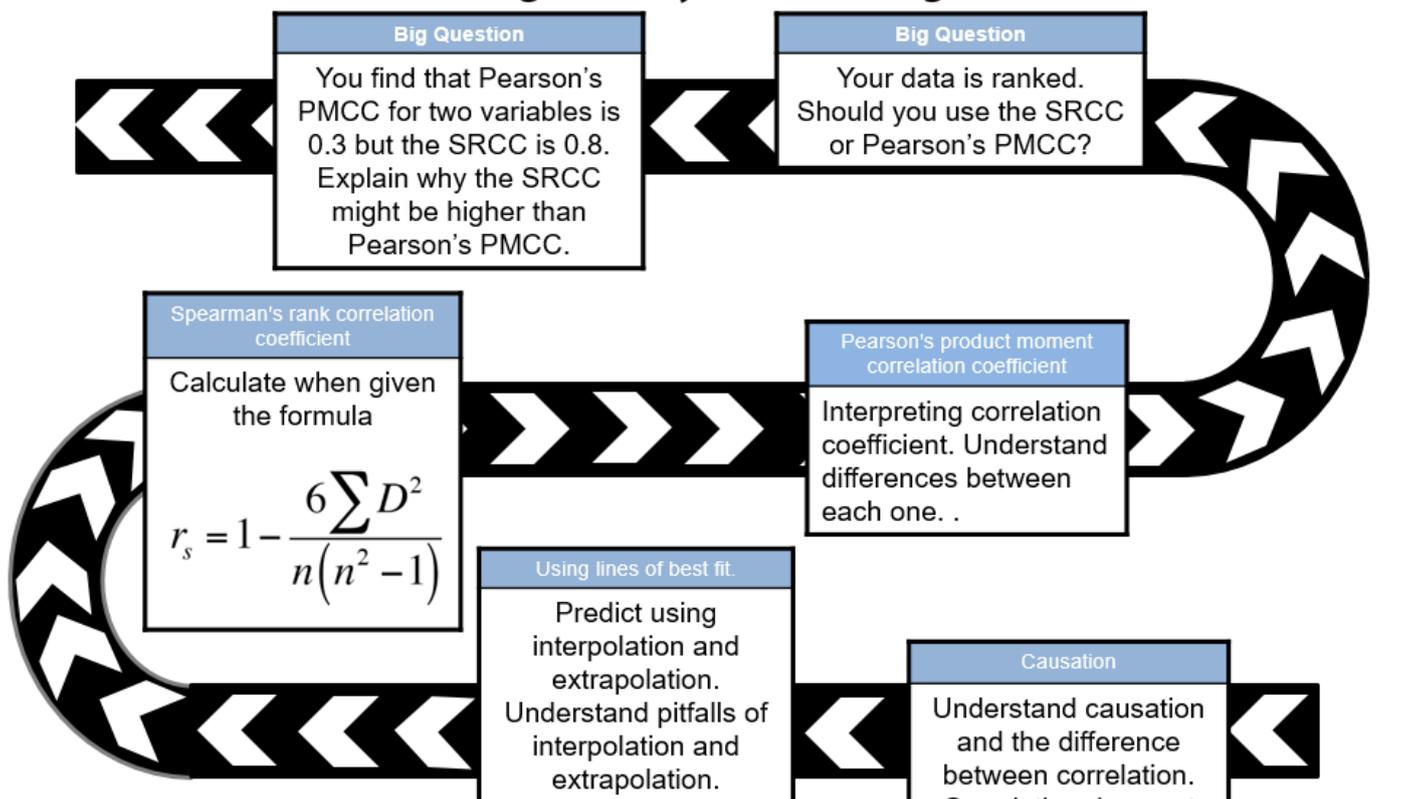
Calculate Spearman's rank correlation coefficient if given ranked data.

When given the equation of a regression line (e.g.  $y = 0.2x + 52.5$ ) draw it on a scatter diagram.

Interpret the value of the gradient of a regression line.

Think big.  
Chase dreams.  
Succeed together.

# Mathematics Learning Journey: Scatter Diagrams & Correlation



Achievement resilience

Community PERSEVERANCE Pride



<p><b>DEFINITION</b></p>	<p><b>CHARACTERISTICS</b></p>
<p><b>ETYMOLOGY/MORPHOLOGY</b></p>	
<p><b>EXAMPLES</b></p>	<p><b>NON-EXAMPLES</b></p>