

Together We Teach

Co-Creating Data Literacy Learning Resources

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Data Literacy

What is data literacy?

Why is data literacy important?

How can we help others become data literate?



Source: <https://www.dataversity.net/the-future-of-data-literacy/>

Data Literacy

What is data literacy? The ability to read, work with, analyse and communicate with data.

Why is data literacy important? It empowers individuals to ask the right questions of data and machines, build knowledge, make decisions, and communicate meaning to others.

Would you like to help others become data literate?



Source: <https://www.dataversity.net/the-future-of-data-literacy/>

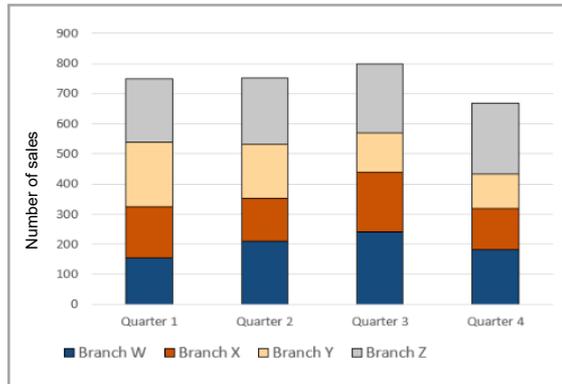
Aim of the Workshop

The aim of the workshop is to harness the collective expertise and creativity of participants to co-create and refine a diverse set of accessible, bite-sized learning resources, fostering a community-driven approach to bridge the data literacy gap and empower individuals in navigating the digital age.

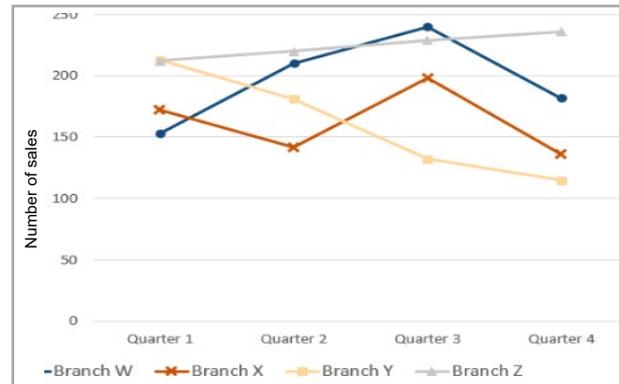


Example

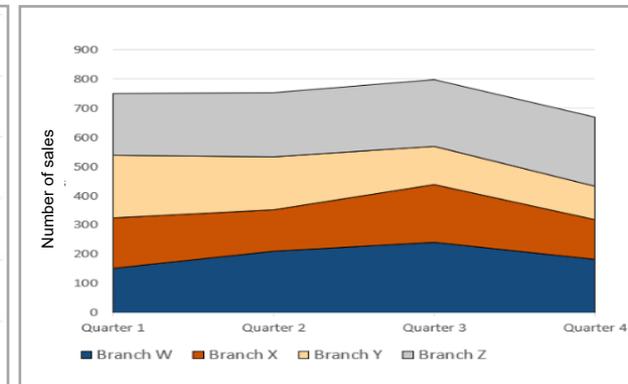
The regional headquarters of a car dealership wants to close one of its branches due to a decrease in sales over the year. Which one of the following visualisations best represents support for their decision?



A



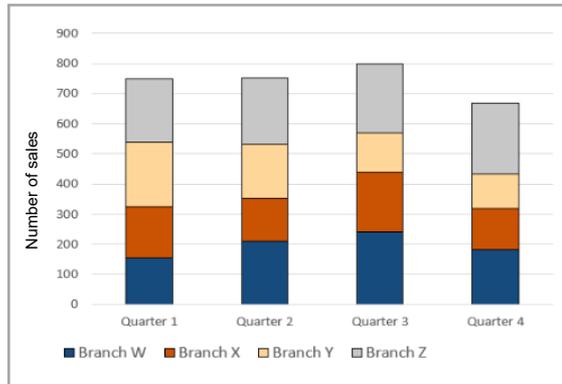
B



C

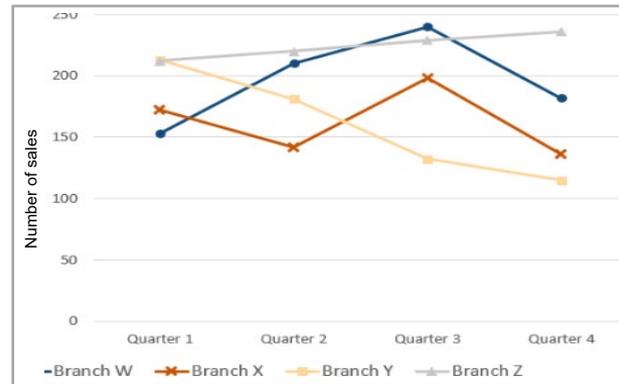
Example

The regional headquarters of a car dealership wants to close one of its branches due to a decrease in sales over the year. Which one of the following visualisations best represents support for their decision?



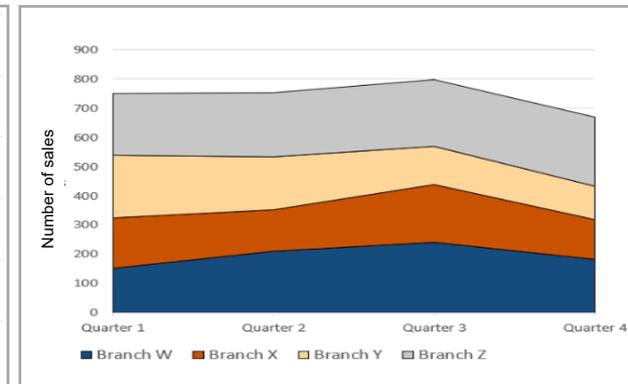
✗ A

Suitable for comparing quarters



✓ B

Suitable for comparing sale trends per branch



✗ C

Suitable for comparing sales trends across quarters

Resource Types



MCQ



Multiple Answer



Hotspot



Exact Answer



Long Answer



Worked Example



Flash Card



Slides



Note

Topics

Main Topic

Sub-Topic(s)

Data Collection

Data types

Data collection meth...

Data bias

Quality assurance

Quality control

Data Management

Data cleaning

Data curation

Metadata

Data Analysis

Basic statistics

Visualisation

Probability and unce...

Data mining

Data Interpretation

Anomalies and outlie...

Measurement error

Hypothesis testing

Correlation and caus...

algorithmic bias

Data application

Forecasting

Sensemaking

Decision making

Data ethics

Consent

Confidentiality

Ownership

Privacy

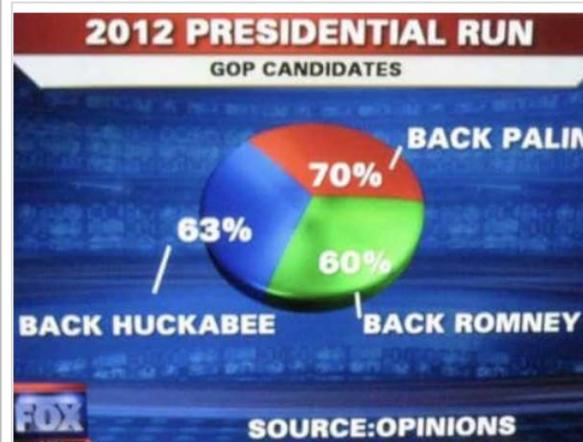
Real Life Examples are Nice and Engaging ...

Example 1

In 2022, the east coast of Australia received a heavy rainfall and storm activity that is considered a one in a 100-year event. This means that:

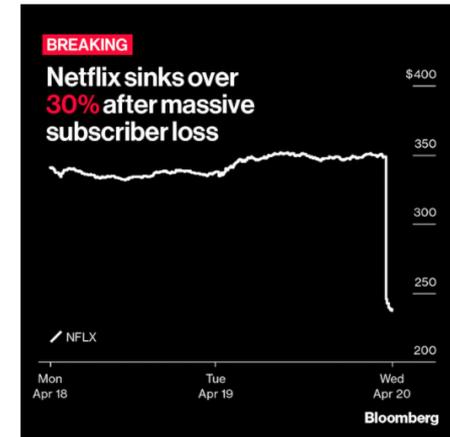
Example 2

What is wrong with this graphic from Fox News?



Example 3

The following data visualisation (source: Bloomberg, 2020) was used as part of a news coverage about Netflix's subscriber loss.



I don't want to moderate this resource

Peer Evaluation

Resource Feedback

Please evaluate the resource based on the following criteria:

Correctness and precision:		Poor	Needs Improvement	Satisfactory	Great	Outstanding
Quality of Question:	?	Poor	Needs Improvement	Satisfactory	Great	Outstanding
Quality of Options:	?	Poor	Needs Improvement	Satisfactory	Great	Outstanding
Quality of Explanation:	?	Poor	Needs Improvement	Satisfactory	Great	Outstanding

What is good about this resource?

Please list each aspect as a separate dot point and align feedback to the rubric. Leave blank if there are no positive aspects.

+ Add feedback...

How can this resource be improved?

Please list each aspect as a separate dot point and align feedback to the rubric. Leave blank if there are no improvements required.

+ Add suggestion...

Further comments

Type here...

Decision

Please rate the overall quality of this resource based on the criteria above.

The overall quality of this resource is:	Poor	Needs Improvement	Satisfactory	Great	Outstanding
Rate your confidence in assessing this resource:	Very low	Low	Medium	High	Very High

SUBMIT

Help us in Selecting Winners

Here are the criteria:

- Correctness
- Engagingness
- Cohesiveness and clarity

 2
  5
  Easy
 Multiple Answer Probability and unce...

In 2022, the east coast of Australia received a heavy rainfall and storm activity that is considered a one in a 100-year event. This means that:

This is a multi answer question. You can select one or more options as the answer.

<input type="checkbox"/> A.	<p>The next similar event will occur in the year 2122</p> <p>Explanation</p> <p>This statement is false. Based on the given information, there is an equal probability of 1% that such an event will occur in 2122 or any other year.</p>
<input type="checkbox"/> B.	<p>A similar event may occur next year</p> <p>Explanation</p> <p>This statement is correct. While it would be considered rare, there is a 1% chance that such an event may occur next year</p>
<input type="checkbox"/> C.	<p>There is a 1% chance of a similar event every year</p> <p>Explanation</p> <p>This statement is true and can be derived from the stem of the question (that is considered a one in a 100-year event).</p>

SUBMIT ANSWER

Was this an effective resource?  2 |  0

Author: [Hassan Khosravi](#)

Overview

Step 1

Sign in to RIPPLE

Email address

Password [Forgot Password?](#)

SIGN IN

REGISTER AS STUDENT

REQUEST INSTRUCTOR ACCOUNT

Create a RiPPLE account
(check your email)
Ripple.ucloud.net

Step 2

Create a new resource

QUESTIONS
NOTES
ALL

 MCQ	 Multiple Answer	 Hotspot
 Exact Answer	 Long Answer	 Worked Example
 Flash Card	 Slides	 Note

Create at least one data literacy resource

Step 3

Resource Feedback

Please evaluate the resource based on the following criteria

	Poor	Needs Improvement	Satisfactory	Good	Outstanding
Correctness and precision:					
Quality of Questions:					
Quality of Options:					
Quality of Explanations:					

What is good about this resource?
Please list each aspect as a separate comment and give feedback to the author. Leave blank if there are no positive aspects.

+ Add feedback

How can this resource be improved?
Please list each aspect as a separate comment and give feedback to the author. Leave blank if there are no improvements required.

+ Add suggestions

Further comments

Type text...

Decision

Please rate the overall quality of this resource based on the criteria above.

The overall quality of this resource is:	Poor	Needs Improvement	Satisfactory	Good	Outstanding
Rate your confidence in assessing this resource:	Very Low	Low	Medium	High	Very High

Evaluate 5 resources created by your peers

Step 4

In 2022, the east coast of Australia received a heavy rainfall and storm activity that is considered a one in a 100-year event. This means that:

This is a **multi-answer question**. You can select one or more options on the answer.

The next similar event will occur in the year 2122

A similar event may occur next year

This statement is false. Based on the given information, there is an equal probability of 1% that such an event will occur in 2122 or any other year.

This comment is correct. While it would be considered rare, there is a 1% chance that such an event may occur next year

There is a 1% chance of a similar event every year

This statement is true and can be deduced from the stem of the question (that is considered a one in a 100-year event)

Author: [Hasan_Khan01](#)

View resource under the practice tab. Like resources that you think are effective