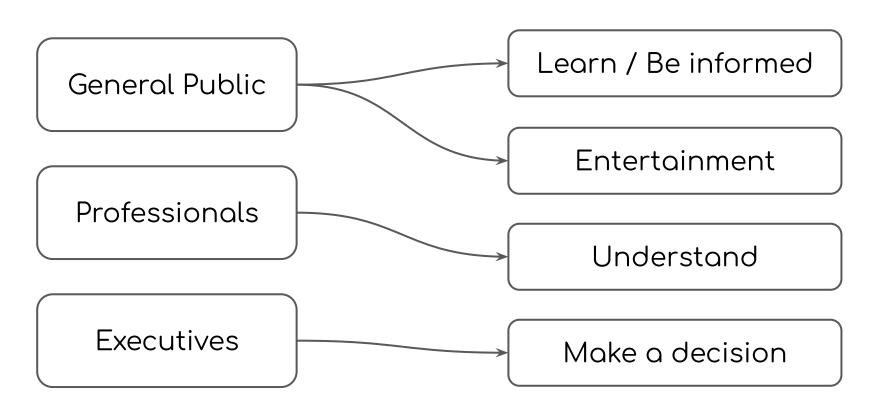


# Data Storytelling is communicating the results of your data analysis process to an audience through a story.



You always tell a story to an audience General Public Professionals Executives

### Each audience has a different goal



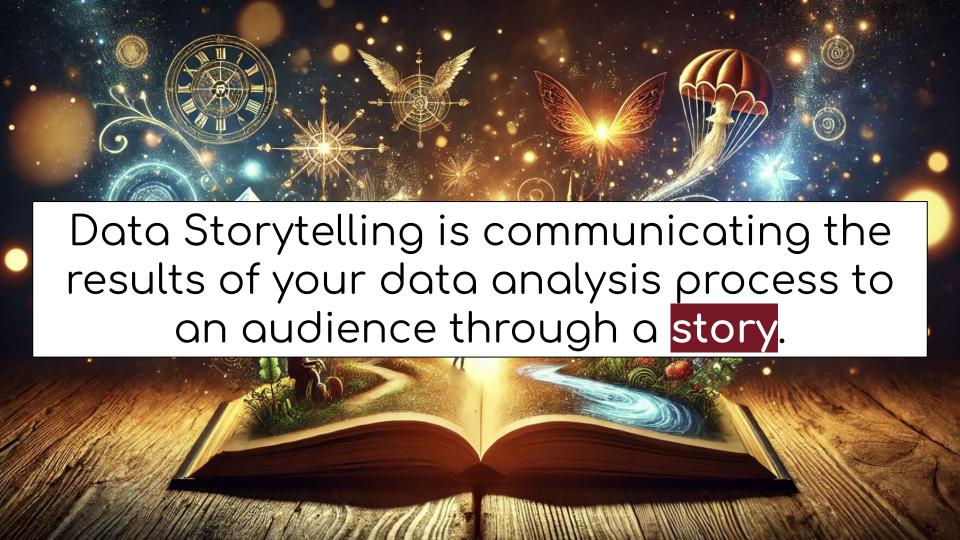
#### Based on your audience, you will choose an appropriate

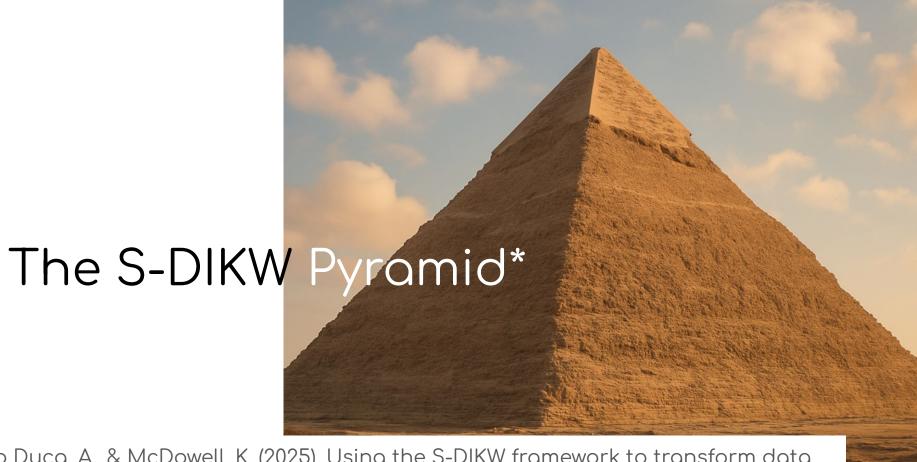
# Language and Tone

The set of words (language) and the emotional expression conveyed through them (tone)

#### Context

The level of details to add to your story, based on the cultural sensitivity of the audience





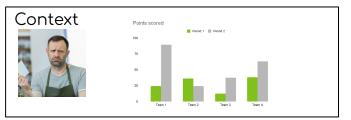
\*Lo Duca, A., & McDowell, K. (2025). Using the S-DIKW framework to transform data visualization into data storytelling. Journal of the Association for Information Science and Technology, 76(5), 803-818.



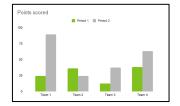








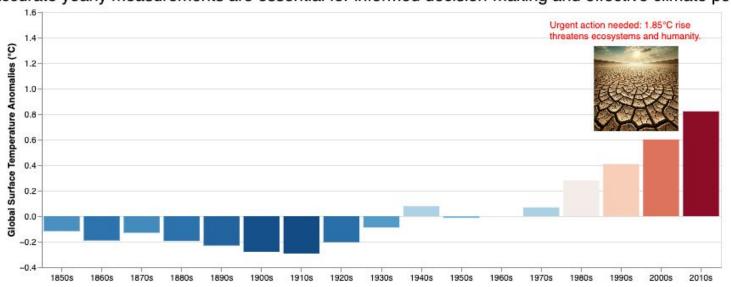
INFORMATION Add text or graphical context

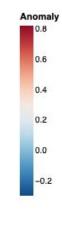


**DATA**Choose the chart type

#### Understanding Global Temperature: A Crucial Metric for Climate Action

Global temperature is a vital indicator of climate health, calculated using surface, satellite, and ocean data. Accurate yearly measurements are essential for informed decision-making and effective climate policies.



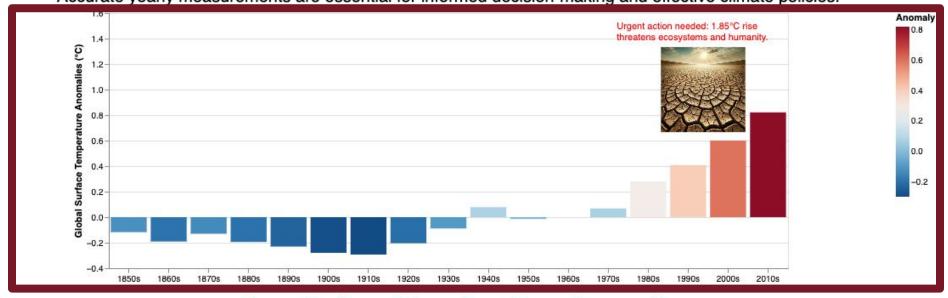


Expand solar, wind, and geothermal energy!



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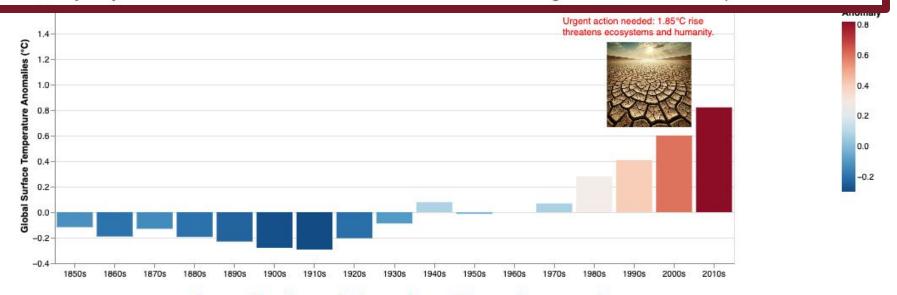
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# The data does not depend on the audience. But the chart type does.

#### Information

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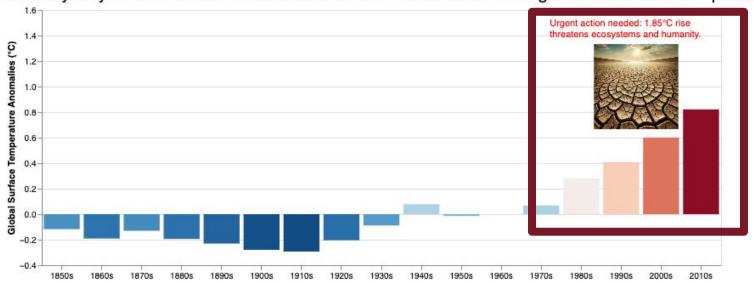
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## Information depends on the audience.



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0.8 0.6 0.4 0.2 0.0

Expand solar, wind, and geothermal energy!

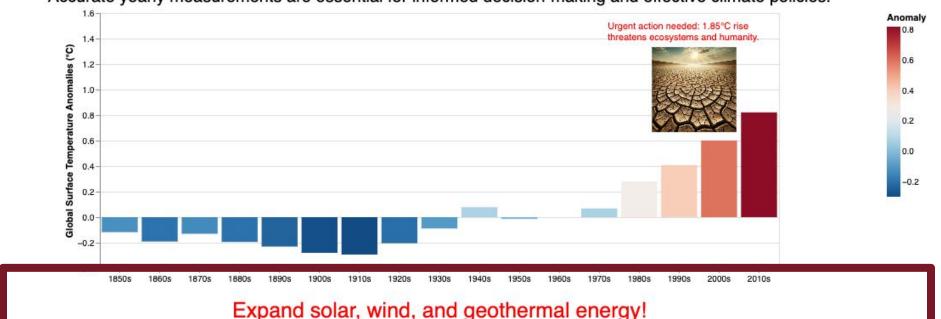
# Knowledge does not depend on the audience.

But what they can gain from knowledge does.

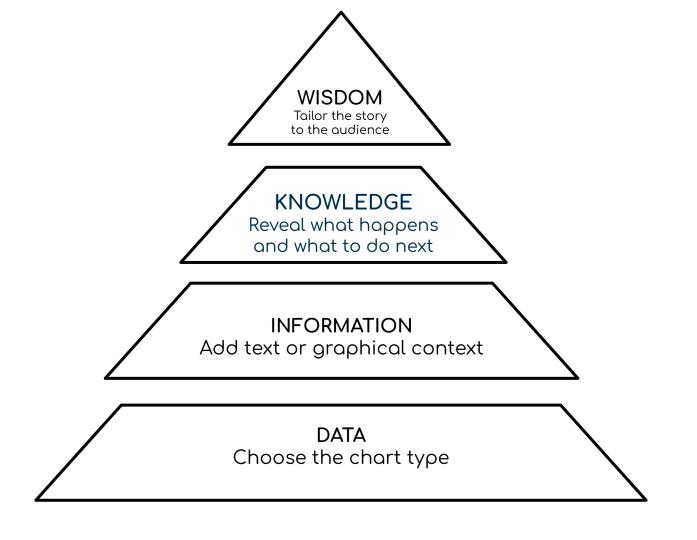


#### Understanding Global Temperature: A Crucial Metric for Climate Action

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### Wisdom depends on the audience.

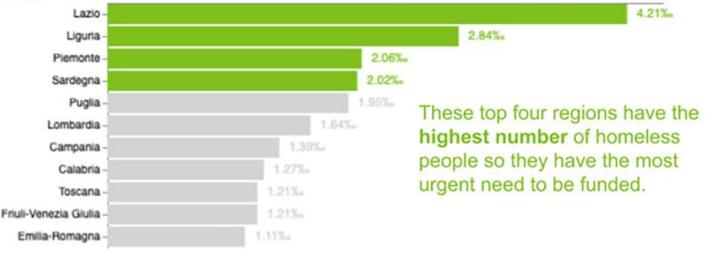




#### Together Let's Make a Difference: Support Our Project to Reduce Homelessness!

Homelessness is a **heartbreaking reality** that leaves individuals and families vulnerable leading to **devastating consequences** such as poor health and social isolation. The chart shows the number of homeless people in the Italian regions in a population of 1000.





#### Our plan to harness the funds

Following the example of **region X in Country** Y (<u>Policy Document</u>), we plan to allocate the funds as follows:





Job Training







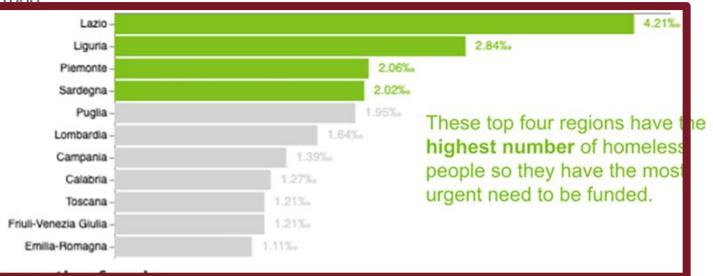


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Our plan to harmess the funds

Y (Policy Document), we plan to allocate the funds as follows:







Education



Healthcare



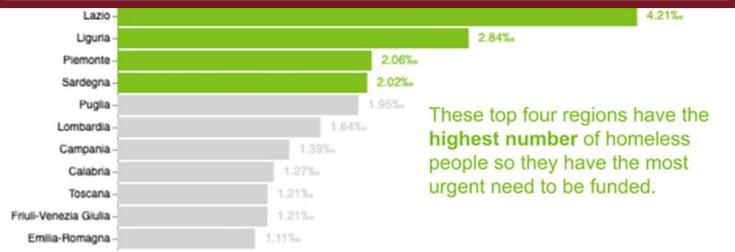




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Job Training



Education



Healthcare



**Basic Necessities** 

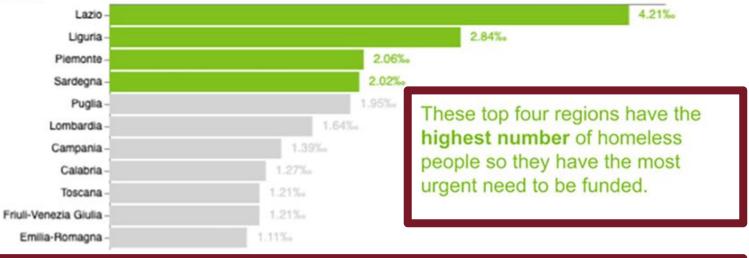


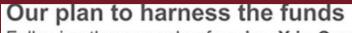
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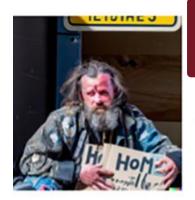


Education



Healthcare

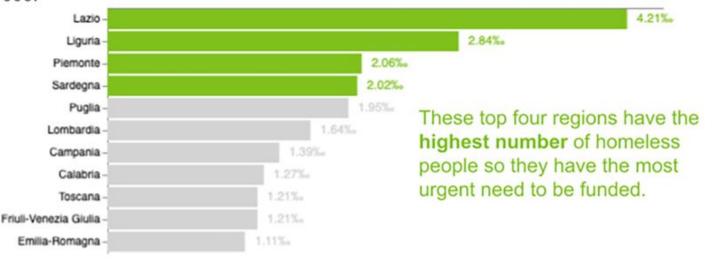




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Shelter and Housing



Job Training





Healthcare



#### References

- Lo Duca, A., & McDowell, K. (2025). Using the S-DIKW framework to transform data visualization into data storytelling. Journal of the Association for Information Science and Technology, 76(5), 803-818.
- Lo Duca, A. (2024). Data Storytelling with Altair and Al. Manning Publications.
- Lo Duca, A. (2025). Become a Great Data Storyteller. John Wiley & Sons.