

Linguistic techniques for explaining technical terms to non-technical audiences

95585 - Guilherme Gonçalves

95597 - João Silveira

95638 - Martim Santos

What is Jargon?

Discipline specific and complex language used by experts.

- Examples:
 - Bug
 - Hard Copy

- Library
- Framework

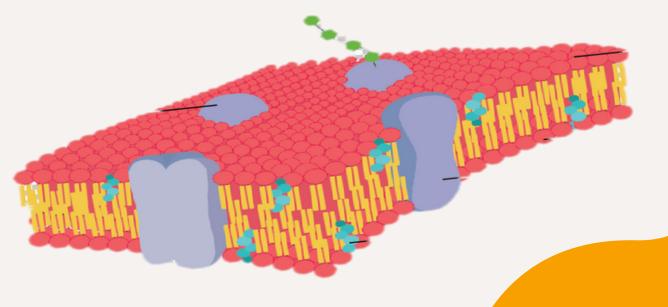
- Bus
- Cache

Tecniques to Avoid Jargon

Analogies

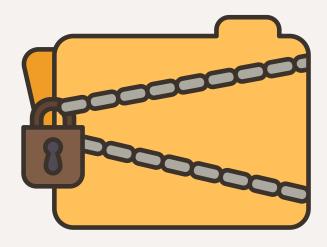
• Compare technical concepts with something familiar to the audience.

- Computer Network Highway
- Computer's Memory Workspace
- Cell membrane Gatekeeper



Metaphors

- Explain technical concepts in a way that is **not literally true**, but helps getting the message through.
 - Encryption Secret Code



Personification

- Give human characteristics to nonhuman objects or concepts.
 - API Waiter in a restaurant
 - Operating System Conductor of an orchestra





Strategies to keep in mind

Categorize

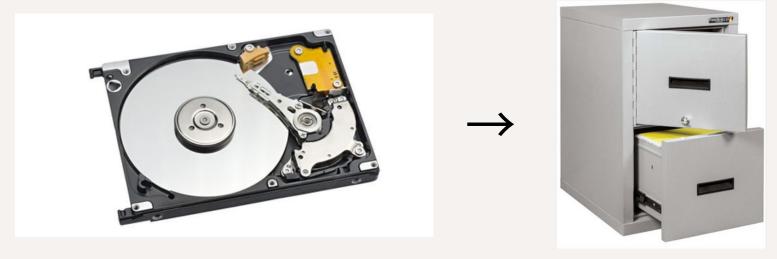
Examplify

Papers

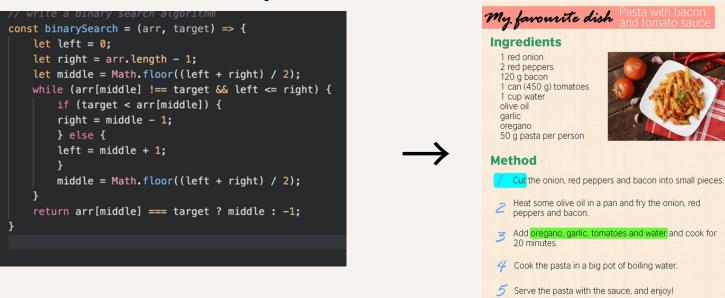
- "Analogies, Metaphors and Mental Models for Technical Communication" by David R. Wooley and Carmen M. Simon.
- "Using Analogies and Metaphors in Technical Communication" by Karen A. Schriver.
- "The Role of Metaphors in Communicating Science" by Joshua M. Pearce.
- "The Effectiveness of Analogies in Teaching Mathematics to Non-technical Students" by Nidhi Sharma and Lalit Garg.
- "Using Visual Aids to Enhance Comprehension and Retention of Technical Information" by Mary Anne Amato and Barbara S. Chaparro.

Papers Examples

- Some great examples:
 - computer's hard drive → file cabinet



○ algorithm → recipe



Conclusion

- Analogies
- Metaphors
- Personifications



- Examples
- Categories

How would you describe the jargon term "Cache" to a child:

- A personal assistant who keeps important information and documents within reach for quick access.
- A snack drawer that you keep in your room. Whenever you're hungry and don't want to
 go all the way to the kitchen, you can quickly grab a snack from your snack drawer.
- A toolbox for a computer's processor. Just as a toolbox stores the most commonly used tools for a project, a cache stores frequently used data in a small, high-speed memory for quick retrieval by the processor.

How would you describe the jargon term "Cache" to a law student:

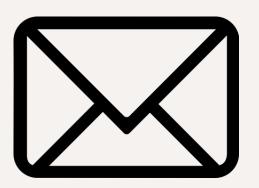
- A personal assistant who keeps important information and documents within reach for quick access.
- A snack drawer that you keep in your room. Whenever you're hungry and don't want to go all the way to the kitchen, you can quickly grab a snack from your snack drawer.
- A toolbox for a computer's processor. Just as a toolbox stores the most commonly used tools for a project, a cache stores frequently used data in a small, high-speed memory for quick retrieval by the processor.

How would you describe the jargon term "Cache" to an engineer:

- A personal assistant who keeps important information and documents within reach for quick access.
- A snack drawer that you keep in your room. Whenever you're hungry and don't want to go all the way to the kitchen, you can quickly grab a snack from your snack drawer.
- A toolbox for a computer's processor. Just as a toolbox stores the most commonly used tools for a project, a cache stores frequently used data in a small, high-speed memory for quick retrieval by the processor.

• Try to explain the following jargon terms using on of the techniques that we presented:

- Email
 - to an elderly person
 - to a child



 Try to explain the following jargon terms using on of the techniques that we presented:

- Bug
 - to your parents
 - to a child



THANK YOU!