5118008 English for Software Developer

# Transition Words

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# Transition Words

- Transition words help words/sentences move from one topic to another without confusing the reader

- Different types
  - introduce, agree, add on
  - oppose, limit, contrast
  - cause and condition
  - effect and result
  - example and support
  - conclusion and summary

# Introduce, Agree and Add-on

- In addition (to)
- Moreover
- Furthermore
- Likewise
- Equally important
- Too
- Coupled with

# Introduce, Agree and Add-on

- Today, such language models are derived from the statistics of large corpora with as many as $10^{10}$ sentences of text. **Moreover**, in practical systems for machine translation or speech recognition, they may assign probabilities to sequences that contain as many as $10^{6}$ distinct words.
- We have encountered units and elementary dimensional analysis in our high school science classes. For instance, the mass of an object is expressed in kilograms (kg). **Likewise**, length is expressed using meters (m) and time in seconds (s).
- Robust encrypti on algorithms, **coupled with** secure storage of the encryption keys, are critical to ensure data protection.
- **In addition to** the energy, raw material, and water use during the production and operation of a device, there is the question of what happens to it at the end of its lifetime.

# Oppose, Limit and Contrast

- Unlike
- Or
- Conversely
- On the contrary
- Above all
- Notwithstanding
- Despite

# Oppose, Limit and Contrast

- **Unlike** traditional AI approaches based on explicit rules expressing domain knowledge, machine learning often lacks explicit human-understandable specification of the rules producing model outputs.
- If your traditional approach to data management has been based on spreadsheets, you may view gigabytes as big data. **Conversely**, if you are operating a social network site or a major search engine, big has an entirely different meaning, where a petabyte is often the smallest unit of measure worth discussing.
- Assistive technologies (AT) are created to bridge this gap. In the past, physical ATs tended to be bulky, expensive, and not designed with social acceptability in mind. Mobile devices, **on the contrary**, can be used in a variety of contexts to assist people.

# Oppose, Limit and Contrast

- Distributed systems can be especially difficult to program for a variety of reasons. They can be difficult to design, difficult to manage, and, **above all**, difficult to test.
- Numerous breakthroughs in cryptography, secure coding, and formal methods **notwithstanding**, cybersecurity is getting worse as we watch.
- Multiple language indexes have shown a decline in R's popularity, **despite** growth in machine learning.

# Cause and Condition

- Since
- While
- Due to
- As long as
- Unless
- So that

# Cause and Condition

- **Due to** the increasing importance of data science in human resources management, our university decided to integrate the topic of data science research methods into its graduate-level course “Research Methods for Human Resources”.
- The focus in these discussions will be mostly on Linux **since** it is an operating system with refined NUMA facilities and is widely used in performance-critical environments today.
- **While** the global average is now at 3.1Mbps, many users have access to far higher throughput, especially with the rollout of residential fiber solutions.
- There is no particular restriction on the programming language that you choose, **as long as** its description and enough examples are available somewhere.

# Effect and Result

- As a result
- Under those circumstances
- In effect
- Therefore
- Hence
- Consequently

# Effect and Result

- We take in so much information every day that it is impossible to remember everything completely. **As a result**, our brains have to give priority to certain pieces of information over others.
- Root-cause analysis is much more difficult when comparing profiles of different workloads. **Under those circumstances**, larger sample sizes do not make the profile differences clearer.
- In the 1990's most large enterprises set up "enterprise data warehouses," led by the retail giants. These warehouses contained item-level historical sales data and were queried by product managers. **In effect**, the goal was to determine, for example, that Barbie dolls are in and pet rocks are out.

# Examples and Support

- For this reason
- Particularly (in particular)
- Specifically, More specifically
- Especially, Notably, Markedly
- In fact
- In general
- To clarify
- In other words
- More explicitly
- Indeed, By all means

# Example and Support

- However, the main drawback of this approach is that links in the taxonomy do not represent uniform distances. **In fact**, the level of refinement between, for instance, the concept *safety valve* and valve is not comparable to the level of refinement between, for instance, *knitting machine* and *machine*. **For this reason**, a different approach, referred to as the information content approach, has been proposed in the mentioned paper.
- This post traces the evolution of EAI from its conceptual underpinnings to modern applications and future challenges. **Particularly**, we have highlighted three principles for developing EAI systems.
- Developers are not responsible for running the system they built and therefore do not understand if tradeoffs appear in creating and running the system, **notably** in the scalability and reliability of the software.
- As a part of the e-business revolution, Web-based online recruiting has also changed the way companies hire employees. **Indeed,** e-recruitng is one of the most successful e-business applications as a method for quickly reaching a large pool of potential job seekers.
- Tech companies research and exploit this human weakness and others to, **by all means**, get their users 'addicted' to their product.

# Conclusion and Summary

- In summary
- In conclusion
- To conclude
- In any event
- In either case
- Overall
- Altogether
- In essence
- To summarize
- To sum up

# Conclusion and Summary

- **To conclude**, we highlighted three tools that can mitigate the base rate neglect cognitive bias in the context of data science education: ...
- **Overall,** there are complex trade-offs to navigate: memory, read, and write amplification.
- **In summary**, 86% of the participants in our study reported that data produced by CI environments could be used to support quality attribute evaluation.
- **To sum up**, we now have the world's most used chatbot, governed by training data that nobody knows about, obeying an algorithm that is only hinted at, glorified by the media, and yet with ethical guardrails that only sorta kinda work and that are driven more by text similarity than any true moral calculus.
- **In essence**, the goal of green computing is to deliver the greatest performance for the least amount of energy.