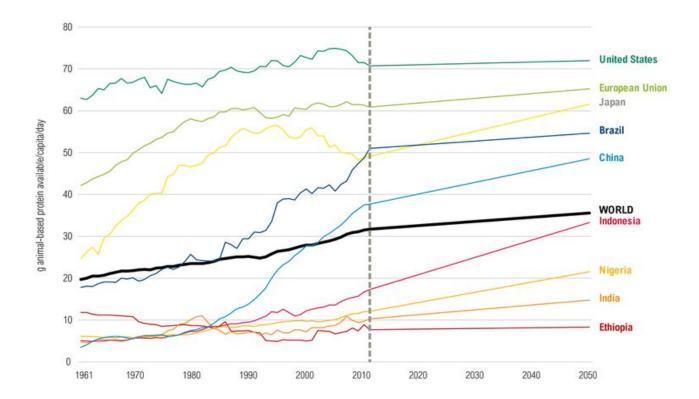
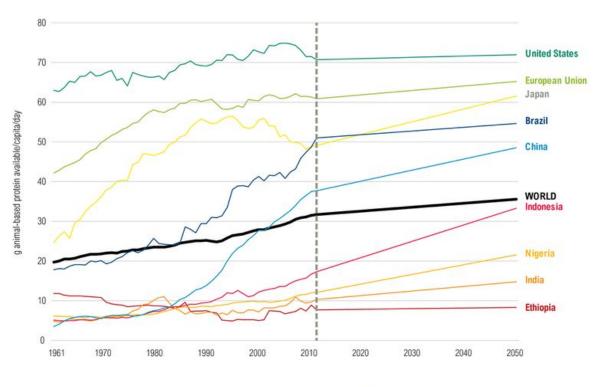
Adding Narrative to BI Dashboards with Natural Language Generation





"People are consuming more animal-based proteins."







BI dashboard the gap

Dashboards are built to support decision making.

Yet the dashboard provides data only.

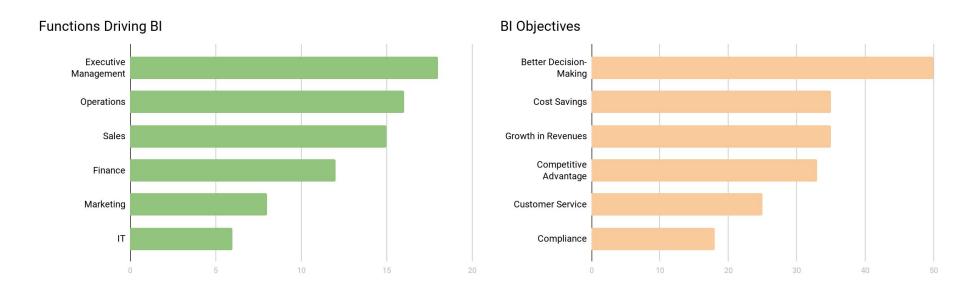
The causes and conclusions must be reached outside of the screen full of charts.



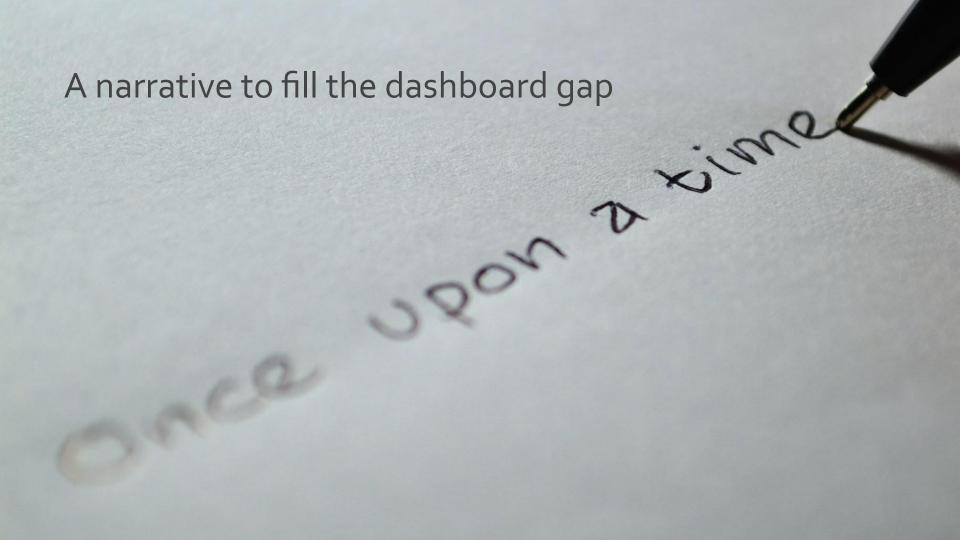
Metabase BI dashboard



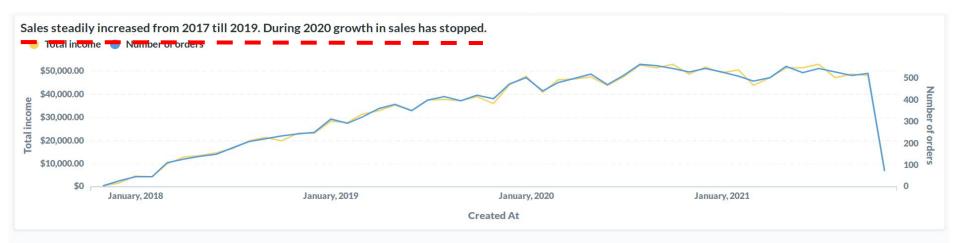
BI tools adoption rate in companies - 51%



- Forbes: The State Of Business Intelligence, 2018
- Grid® Report for Business Intelligence Platforms | Spring 2018



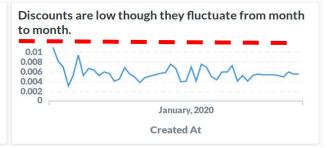
A dashboard with the narrative

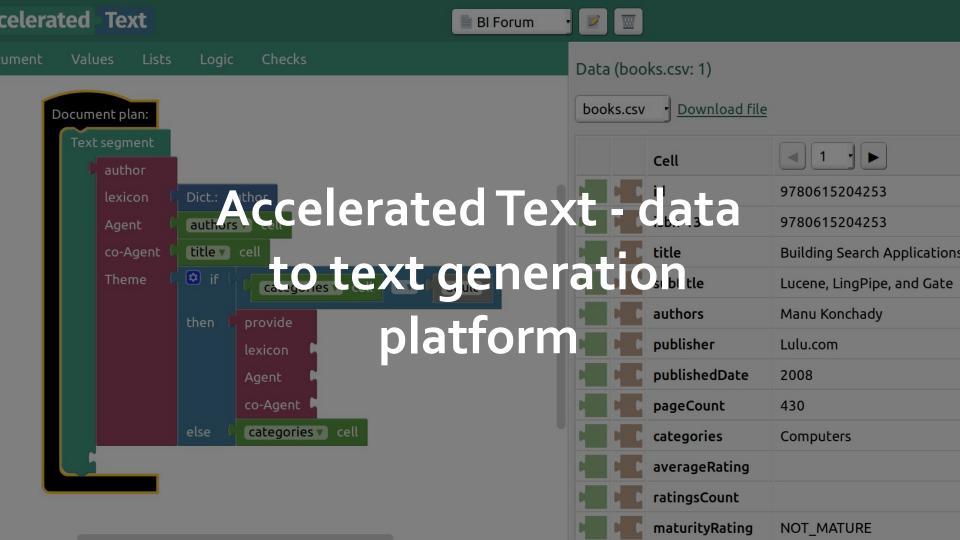


How these transactions are distributed









How does it work?



The missing part

NLG engine can not know what to tell. There has to be a reasoning (data science) component attached to tell it what is important. What needs to be communicated.



Accelerated Text philosophy

Data descriptions require precision. We can only state what follows from the data and is available in a broader knowledge base of the domain.

You can not trust a transformer to explain your business data to you.



I have two dogs and a cat. the dogs are unusually small, the cat is large for a cat. the biggest animal is the

GENERATE ANOTHER

Completion

I have two dogs and a cat. the dogs are unusually small, the cat is large for a cat. the biggest animal is the iphone 7"

I don't know about the size, the cat is large.

The cats food is the worst, they eat it in one sitting.

I have no idea, but I think they are a little smaller than my dogs.

I have a lot of pictures to go through, and I just want to make sure this is an accurate number. I have a lot of friends in this area, and the number seems pretty accurate to me. Thanks for the input!

I have a few nictures to shock as well. I also have a friend in

Other applications

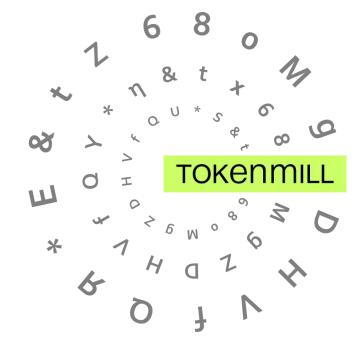
- product descriptions
- data analysis reports
- personalised communication with customers
- device maintenance reports
- and more

NLG benefits for BI

- Consistent logic and structure facilitate quicker comprehension, thus leading to quicker action
- Analysts do not have to engage in laborious and repetitive data analysis tasks
- The reports are prepared faster and their range is increased
- Automated text generation allows to scale available analytic resources

Thank you

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Accelerated Text - https://github.com/tokenmill/accelerated-text