# Data2Text Studio

### Automated Text Generation from Structured Data

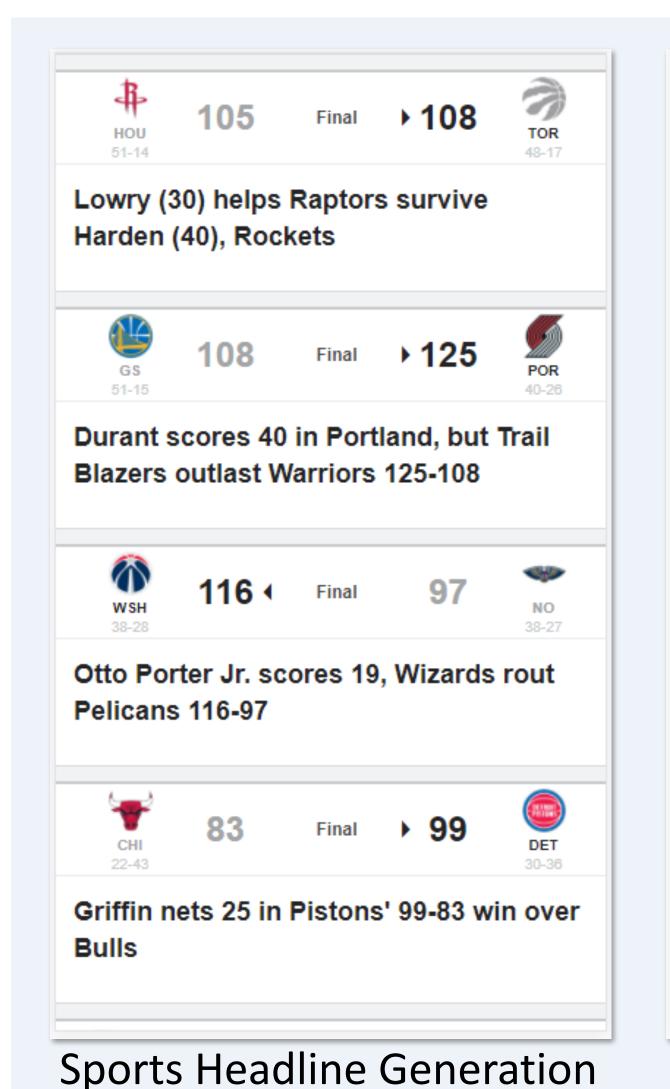
Longxu Dou<sup>1</sup>, Guanghui Qin<sup>2</sup>, Jinpeng Wang<sup>3</sup>, Jin-Ge Yao<sup>3</sup> and Chin-Yew Lin<sup>3</sup>

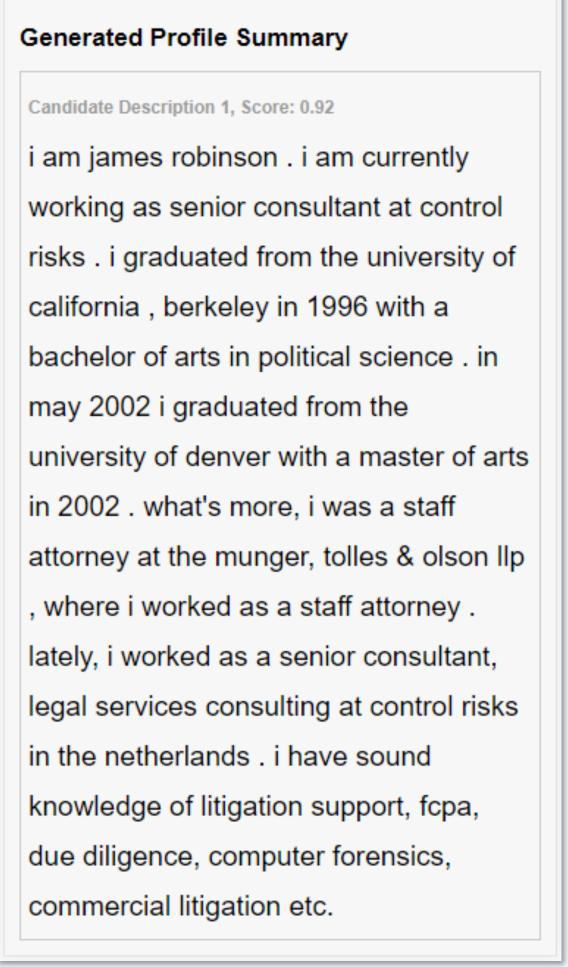
<sup>1</sup> Harbin Institute of Technology <sup>2</sup> Peking University <sup>3</sup> Microsoft Research Asia



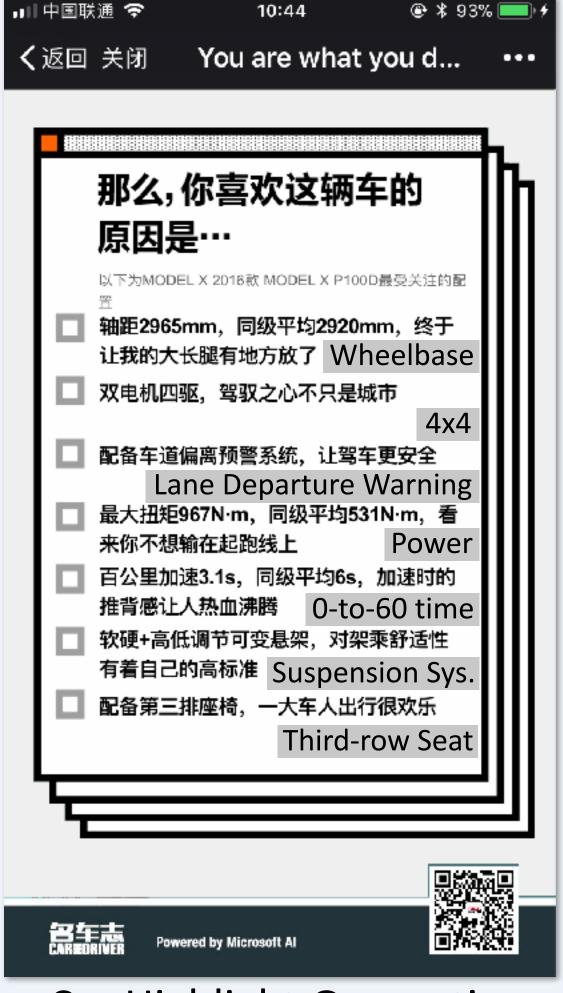








LinkedIn Profile Generation

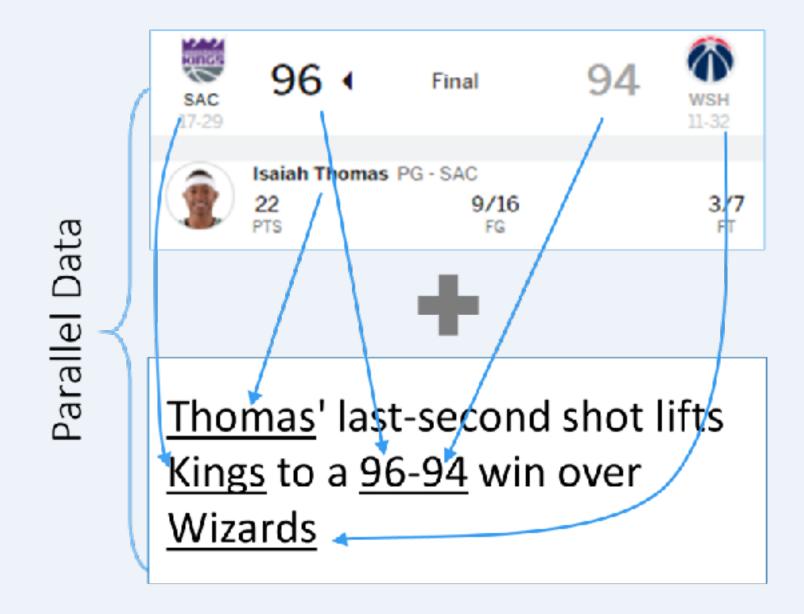


Car Highlight Generation

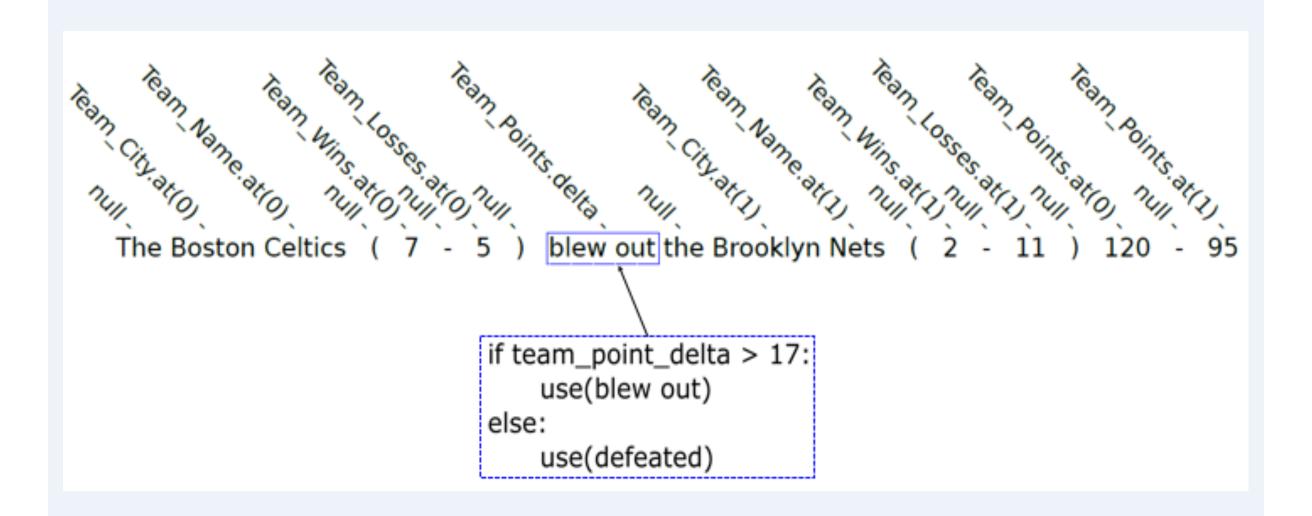
## Why Data2Text?

- Summarize insights of data.
- Explain data in natural language.
- Empower conversational agents such as Cortana to talk about data.
- Assist human writers creating texts faithful to data more efficiently.
- Reduce the cost of recurrent text generation tasks such as financial reports, patents, etc.

## **Key Technologies**

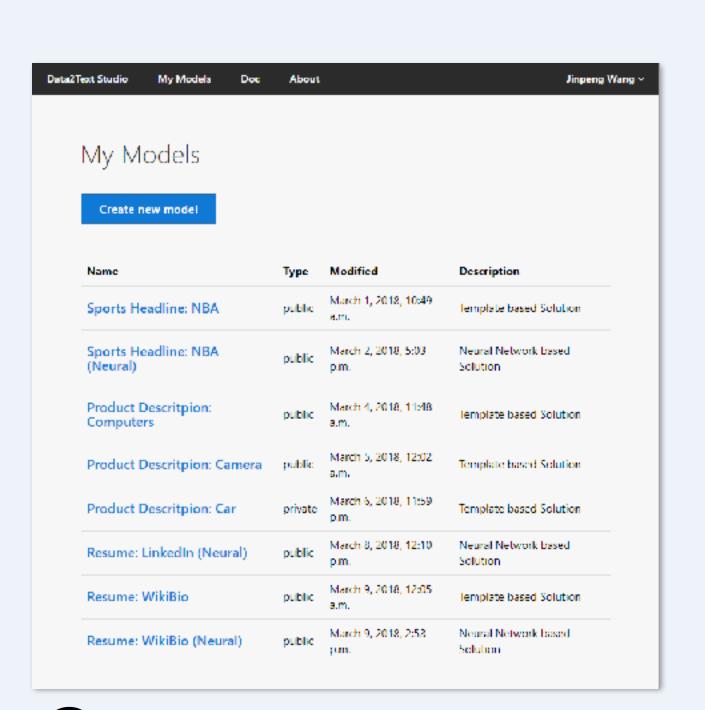


Template based solution: High accuracy and fluency, which can be used directly in business applications

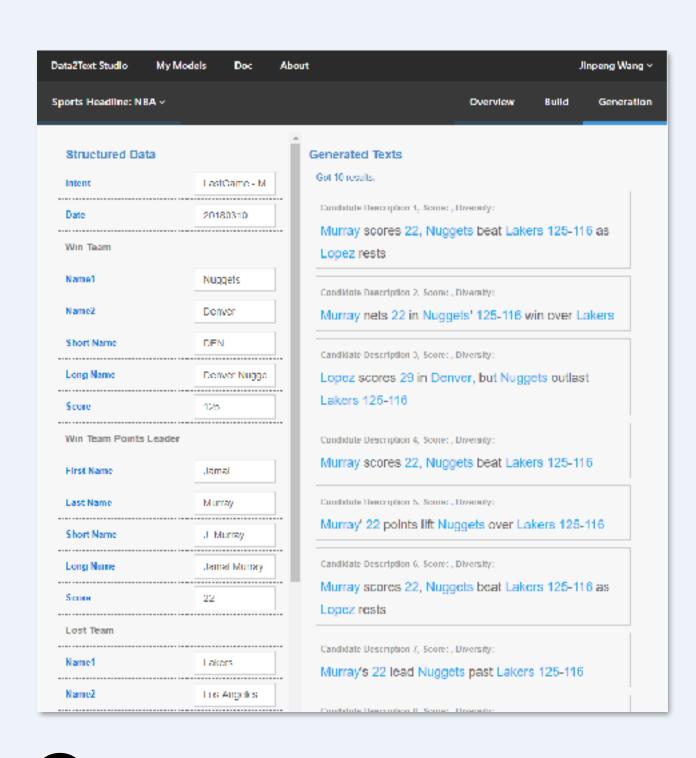


**Trigger Mechanism:** Explicit semantic annotations, which support learning how to use specific phrases under the particular condition.

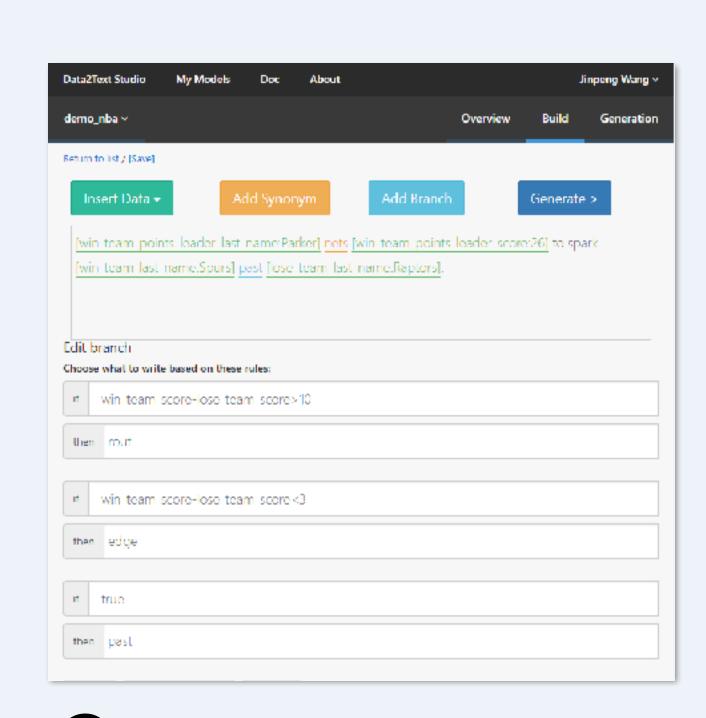
#### **Data2Text Platform**



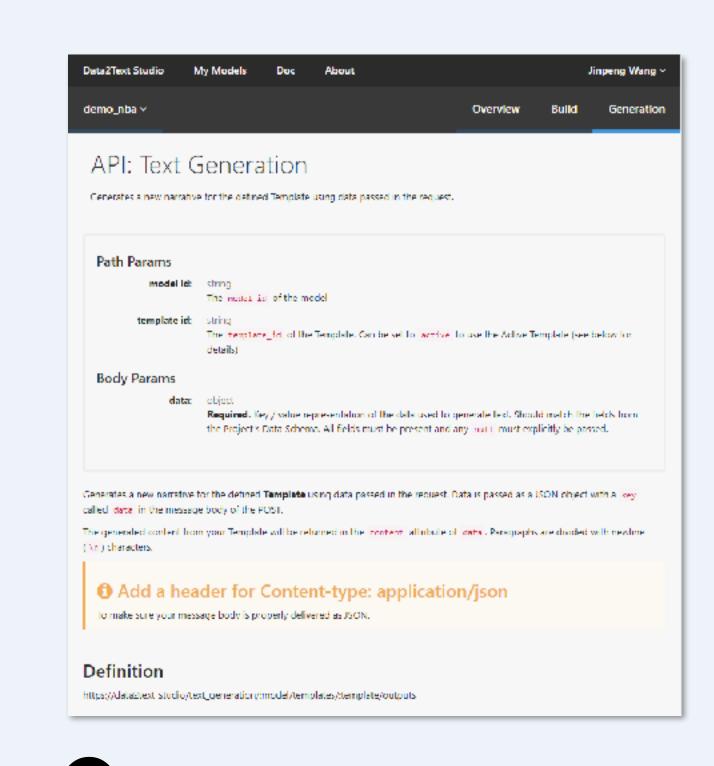
1 Upload data to train model



3 Preview the generation texts



2 Improve model if necessary



4 Call the API to generation texts