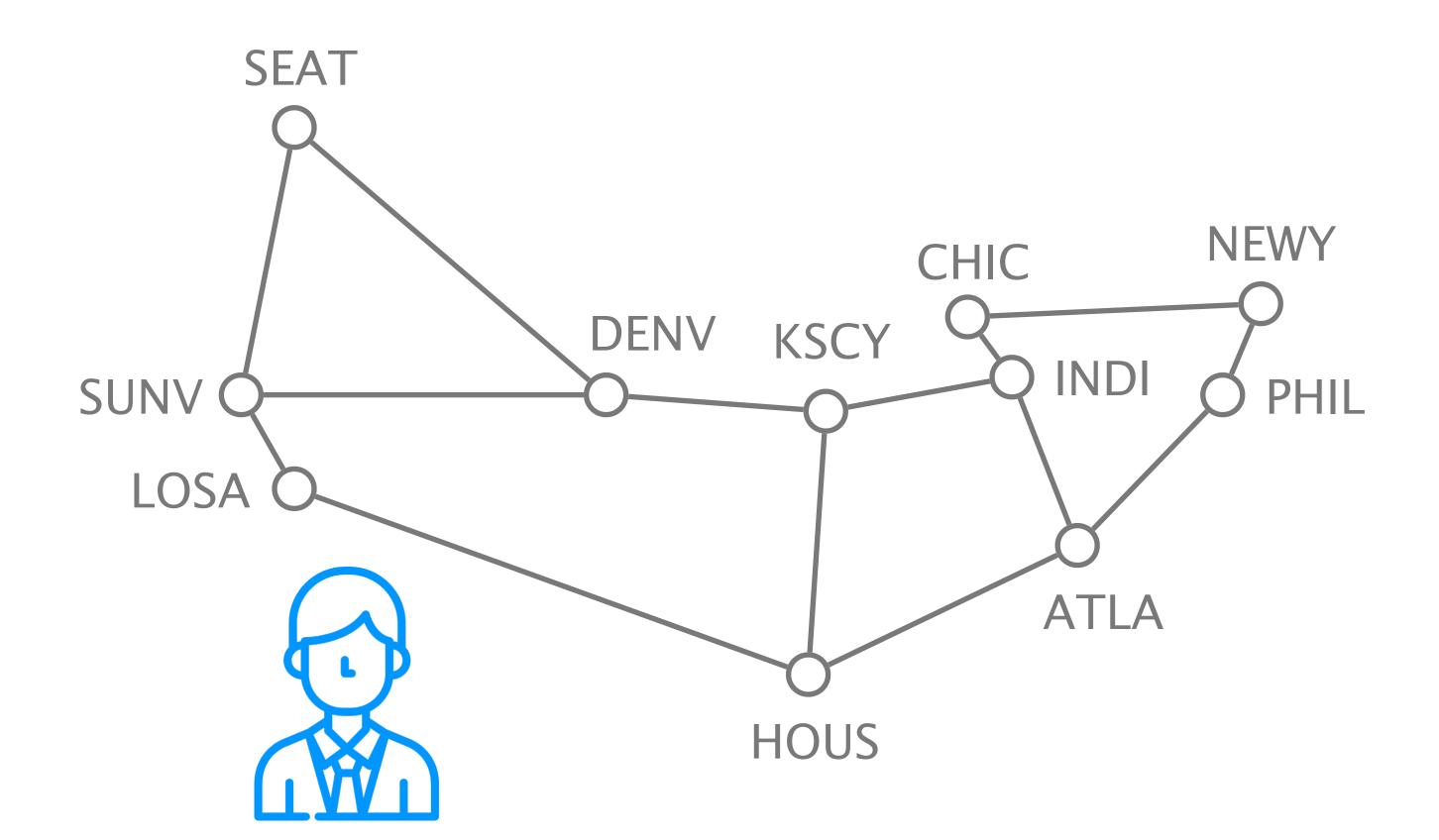
#### Hey network, what's going on? Virtual assistants for networks

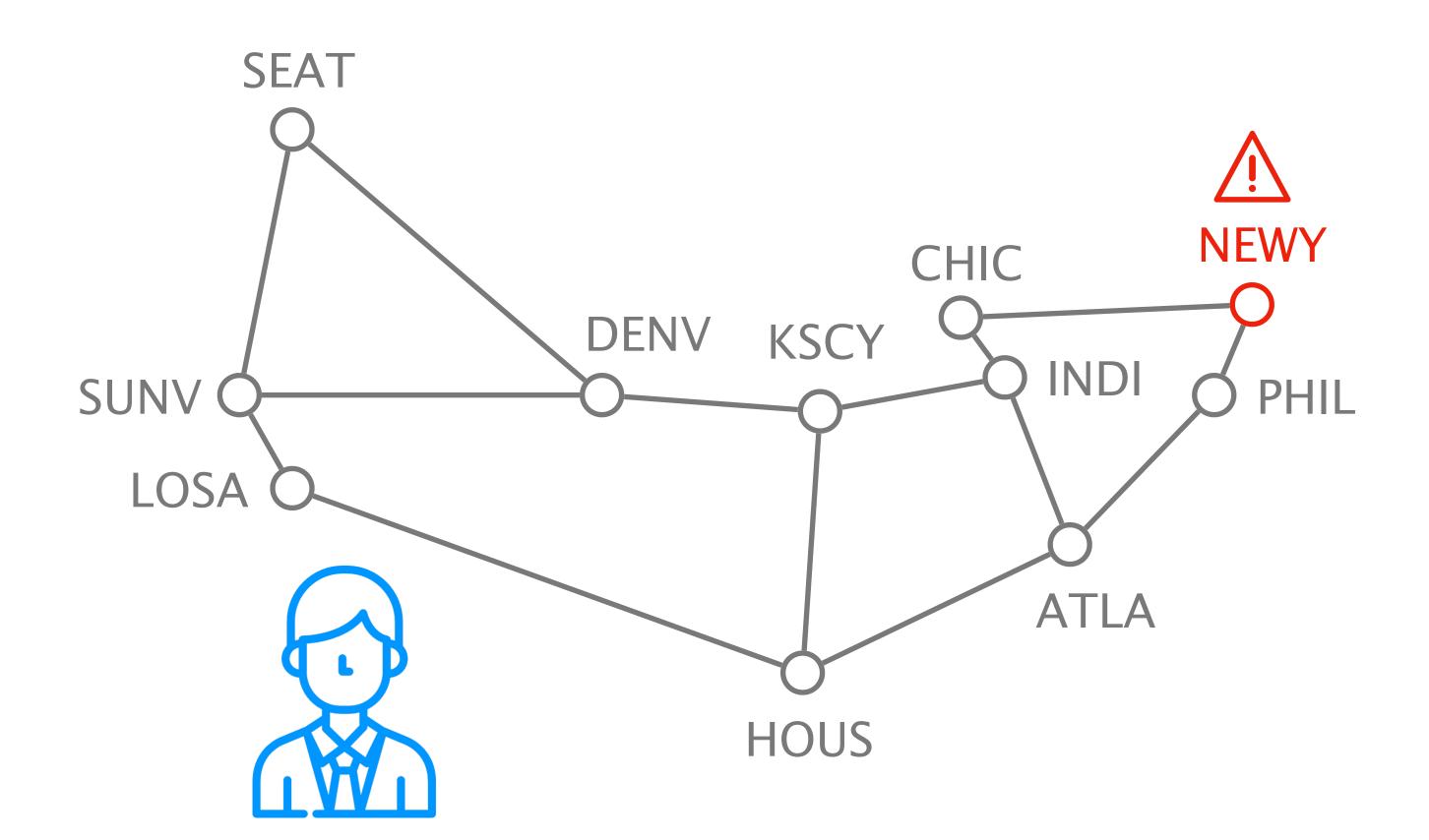


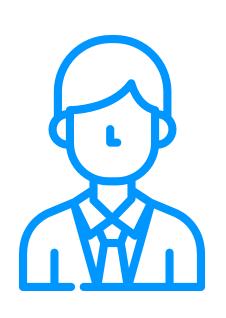
Rüdiger Birkner, Dana Drachsler-Cohen, Martin Vechev, Laurent Vanbever net2text.net

TNC '18
June, 11 2018









Where is the traffic leaving in NEWY coming from?

What if you could simply ask the questions... and automatically get an answer?

# Net2Text



Rüdiger Birkner



Dana Drachsler-Cohen



Martin Vechev



Laurent Vanbever





Type a message...



Where is the traffic...



question in natural language

Where is the traffic leaving in NEWY coming from?



Type a message...



Where is the traffic leaving in NEWY coming from?







Type a message...



Where is the traffic leaving in NEWY coming from?



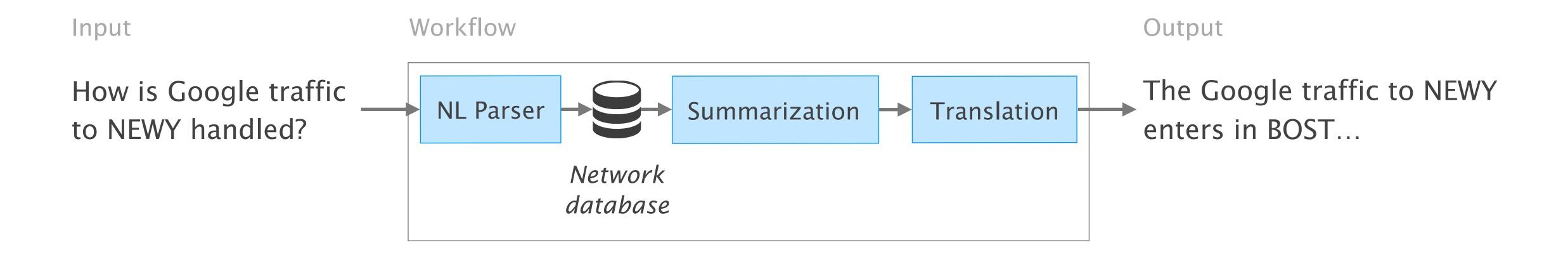


The traffic enters mostly in PHIL and goes to Youtube and Netflix.

Type a message...

summary in natural language

## Net2Text has four stages: parsing, data retrieval, summarization, translation



Net2Text takes on the tedious, time-consuming tasks aggregating low-level data and extracting high-level insights

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Net2Text provides the relevant information "Lots of traffic is going to NEWY"

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The operator draws the conclusions and reacts "Reroute some of the traffic to NEWY"



Query-Guided Network Captioning

net2text.net