

## Earnings Calls



- Outline:**
- Prepared Remarks**
    - Operator
    - Director, Investor Relations and Corporate Finance
    - Chief Executive Officer
    - Chief Financial Officer
  - Questions and Answers**
    - Operator
    - Q: UBS – Analyst  
A: CEO
    - Q: Credit Suisse – Analyst  
A: CFO
    - Q: Credit Suisse – Analyst  
A: CEO
    - ...

## Forward-Looking Claim Synthesis

Given Premise	
We have not changed our outlook on our expected 2021 CAPEX spend of \$170 million or our restructuring spend of between \$40 million and \$45 million.	
Forward-Looking Claim	Score
<b>CFO:</b> In terms of Q2, we would expect revenue in Q2 to be flat to slightly up compared with Q2 of 2020, and we expect <b>adjusted EBITDA margin</b> to be approximately 11%.	-
<b>T5:</b> We expect our 2021 CAPEX spend to be between \$70 million and \$90 million, which is a significant increase from our prior guidance.	0.8594
<b>BART:</b> For the full year 2021, we now expect total CAPEX to be between \$170 million and \$180 million, up from our prior guidance of between \$175 million to \$200 million.	0.8555

## Preprocessing Matters

Preprocessing	Example	BERT		LinkBERT		FinBERT	
		Micro-F1	Macro-F1	Micro-F1	Macro-F1	Micro-F1	Macro-F1
Original	Tesla received 14,335 orders in Europe	13.33%	6.67%	14.09%	7.15%	17.31%	10.73%
FinTerm Only	orders	16.67%	9.84%	14.79%	8.34%	16.55%	11.19%
Emph FinTerm	Tesla received 14,335 [FIN] orders [FIN] in Europe	13.71%	8.77%	14.33%	6.89%	17.33%	10.80%
Num Tag	Tesla received [NUM] orders in Europe	12.41%	6.34%	10.36%	4.99%	16.59%	10.32%
Emph Num	Tesla received [NUM] 14,335 [NUM] orders in Europe	14.24%	7.10%	14.08%	7.38%	17.98%	10.98%
Sci-1	Tesla received 1.4 [EXP] 4 orders in Europe	15.43%	8.70%	13.18%	6.65%	17.15%	10.36%
Attach	orders   14,335	14.49%	7.91%	13.06%	7.83%	16.91%	11.97%
Emph FinTerm + Emph Num	Tesla received [NUM] 14,335 [NUM] [FIN] orders [FIN] in Europe	13.44%	8.18%	14.56%	8.28%	15.35%	9.27%
FinTerm Only + Emph Num	Tesla received [NUM] 14,335 [NUM] orders in Europe [SEP] orders	<b>22.31%</b>	<b>13.83%</b>	18.06%	11.05%	20.83%	13.56%
FinTerm Only + Sci-1	Tesla received 1.4 [EXP] 4 orders in Europe [SEP] orders	19.67%	12.44%	17.04%	11.17%	22.28%	14.79%
Emph Num + Attach	Tesla received [NUM] 14,335 [NUM] orders in Europe [SEP] orders   14,335	19.93%	11.88%	<b>18.19%</b>	<b>11.46%</b>	20.53%	13.52%
Sci-1 + Attach	Tesla received 1.4 [EXP] 4 orders in Europe [SEP] orders   14,335	20.37%	11.78%	16.31%	9.72%	<b>22.94%</b>	<b>15.60%</b>

## Generative Models

Preprocessing	T5		BART	
	ALL	LEAST	ALL	LEAST
Original	18.12%	26.16%	19.16%	27.87%
FinTerm Only + Emph Num	<b>19.73%</b>	<b>28.45%</b>	<b>20.01%</b>	<b>28.68%</b>
Emph Num + Attach	19.59%	28.37%	19.52%	28.25%
Sci-1 + Attach	19.31%	27.61%	19.40%	27.95%

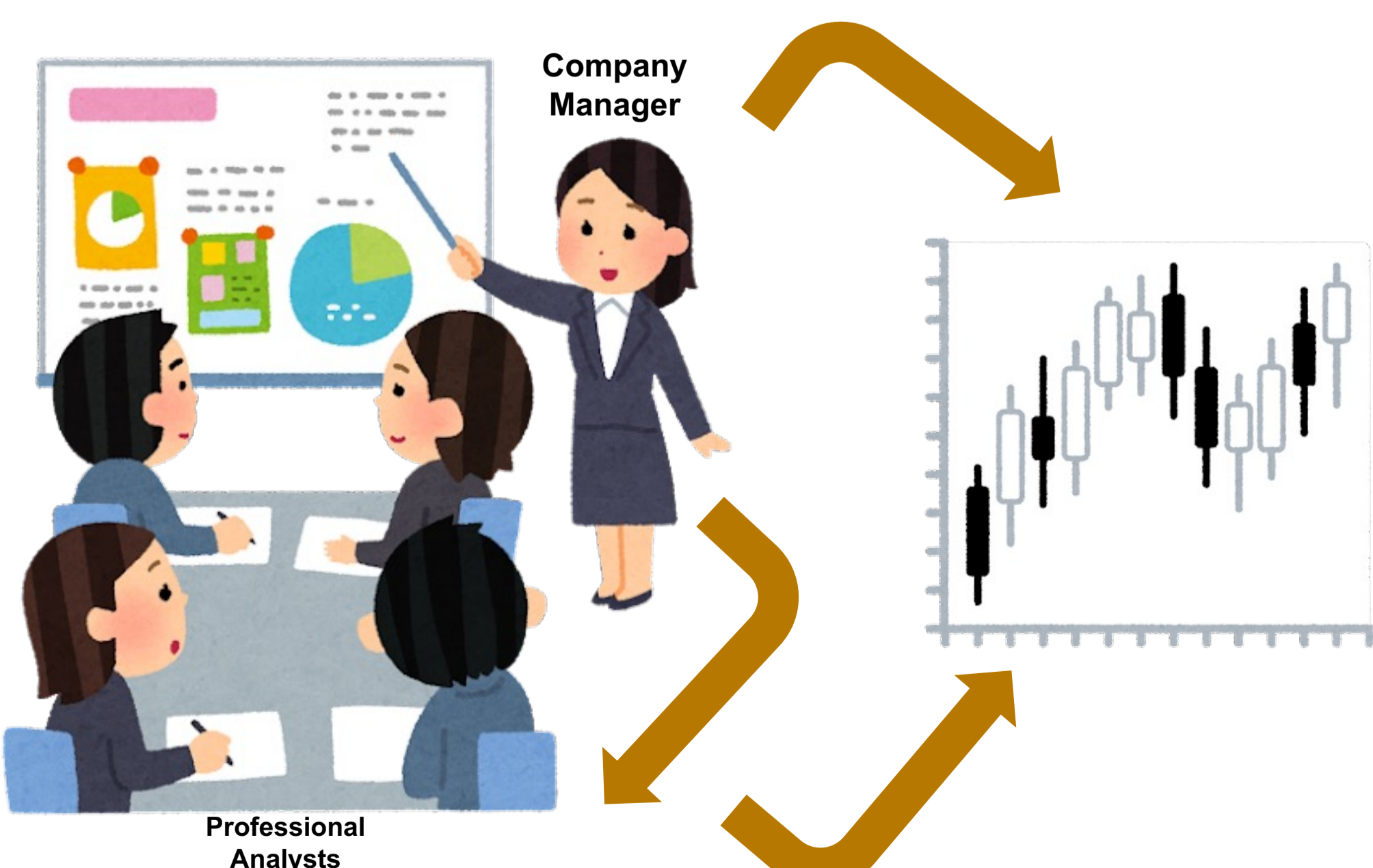
Generation	Appear in Input		Not Appear in Input	
	ALL	LEAST	ALL	LEAST
T5	36.50%	52.54%	6.39%	9.30%
BART	33.99%	49.11%	8.89%	12.44%
Classification	Micro-F1	Macro-F1	Micro-F1	Macro-F1
BERT	22.67%	13.55%	22.01%	13.96%
LinkBERT	18.67%	11.86%	17.79%	11.08%
FinBERT	23.43%	16.22%	22.55%	15.06%

## GPT-4 and Human Evaluation

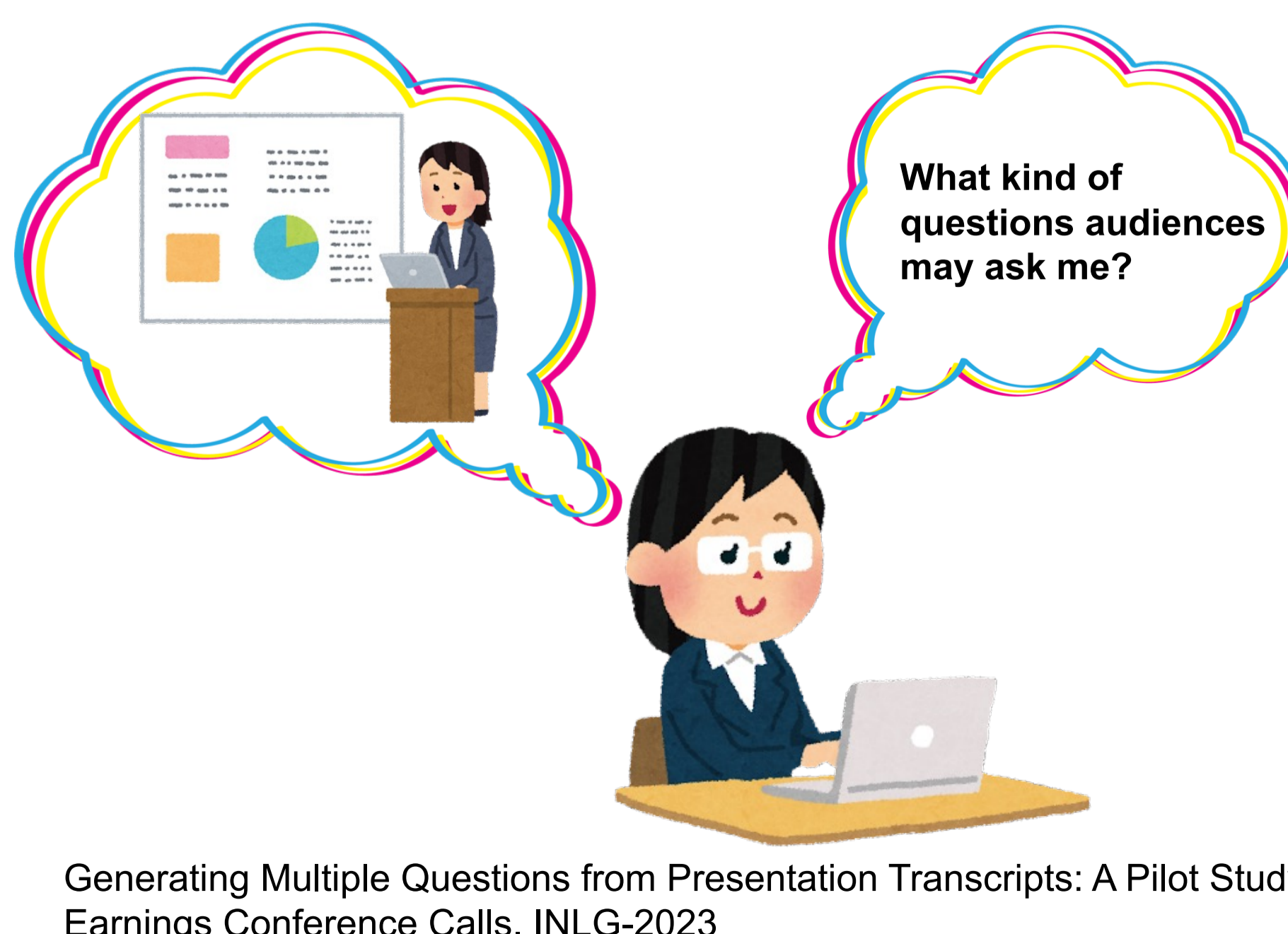
	GPT-4	Human
Original	25.0%	22.5%
FinTerm Only + Emph Num	42.5%	37.5%
Same	7.5%	12.5%

Manager (GT)	We expect investment spend to pick up in the second half to circa \$700 million to \$750 million.
T5	We expect to continue to see a significant impact on our D&A and investment spend in the second half of '21.
BART	For the full year '21, we expect our technology and investment spend to be in the range of \$40 million to \$50 million, which is up from our previous guidance of \$35 million to 45 million.

## Advanced Presentation Preparation



## Related Work – Multiple Question Generation



## Upcoming Events

### Temporal Inference of Financial Arguments (FinArg-2)@NTCIR-2025

- Assessment of the Premise's Influence Period
- Detection of Argument Temporal References
- Assessment of the Claim's Validity Period
- <http://finarg.nlpfin.com/>



### FinNLP Workshop@JCAI-2024

- Shared Tasks: FinLLM & Comment Generation
- <http://finnlp.nlpfin.com/>



### INLG 2024@Tokyo

- Submission Deadline: May 31
- <https://inlg2024.github.io/>

