

## AI Usage Card for Multitask BERT - Token Tricksters



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### AFFILIATION(S)

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### PROJECT NAME

Multitask BERT - Token Tricksters

### KEY APPLICATION(S)

deep learning, natural language processing

### MODEL(S)

GPT-2  
ChatGPT  
GitHub Copilot

### DATE(S) USED

2023-08-17  
2023-05-17  
2023-05-17

### VERSION(S)

3.5, 4

### IDEATION

#### GENERATING IDEAS, OUTLINES, AND WORKFLOWS

Not used

#### IMPROVING EXISTING IDEAS

Not used

#### FINDING GAPS OR COMPARE ASPECTS OF IDEAS

Not used

### LITERATURE REVIEW

ChatGPT

#### FINDING LITERATURE

Find relevant papers introducing new architectures.

#### FINDING EXAMPLES FROM KNOWN LITERATURE

Not used

#### ADDING ADDITIONAL LITERATURE FOR EXISTING STATEMENTS AND FACTS

Not used

#### COMPARING LITERATURE

Not used

### METHODOLOGY

ChatGPT

#### PROPOSING NEW SOLUTIONS TO PROBLEMS

Not used

#### FINDING ITERATIVE OPTIMIZATIONS

Feedback on own ideas.

#### COMPARING RELATED SOLUTIONS

Not used

### EXPERIMENTS

#### DESIGNING NEW EXPERIMENTS

Not used

#### EDITING EXISTING EXPERIMENTS

Not used

#### FINDING, COMPARING, AND AGGREGATING RESULTS

Not used

WRITING ChatGPT	GENERATING NEW TEXT BASED ON INSTRUCTIONS Propose README sections and code comments aswell as feedback.	ASSISTING IN IMPROVING OWN CONTENT Yes.
	PARAPHRASING RELATED WORK Not used	PUTTING OTHER WORKS IN PERSPECTIVE Not used
PRESENTATION	GENERATING NEW ARTIFACTS Not used	IMPROVING THE AESTHETICS OF ARTIFACTS Not used
	FINDING RELATIONS BETWEEN OWN OR RELATED ARTIFACTS Not used	
CODING ChatGPT, GitHub Copilot	GENERATING NEW CODE BASED ON DESCRIPTIONS OR EXISTING CODE Yes.	REFACTORING AND OPTIMIZING EXISTING CODE Yes.
	COMPARING ASPECTS OF EXISTING CODE Evaluated PRs.	
DATA GPT-2	CREATING NEW SOURCES Generated new training samples for training.	CLEANING, NORMALIZING, OR STANDARDIZING DATA Not used
	FINDING RELATIONS BETWEEN DATA AND COLLECTION METHODS Not used	
ETHICS	WHAT ARE THE IMPLICATIONS OF USING AI FOR THIS PROJECT? Faster development and better writing.	WHAT STEPS ARE WE TAKING TO MITIGATE ERRORS OF AI FOR THIS PROJECT? Proofreading and cross-checking with code documentation.
	WHAT STEPS ARE WE TAKING TO MINIMIZE THE CHANCE OF HARM OR INAPPROPRIATE USE OF AI FOR THIS PROJECT? Human feedback.	THE CORRESPONDING AUTHORS VERIFY AND AGREE WITH THE MODIFICATIONS OR GENERATIONS OF THEIR USED AI-GENERATED CONTENT Yes.