

# Textbased Intelligent Assistant: TIA

AI for official statistics - communication perspective

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# Agenda

- I TIA Platform: Background
- II Explore examples of text-based intelligent assistants
- III Create a new text-based intelligent assistant (*optional*)

# TIA Platform

## General information

- **TIA**s enable the use of **generative models**.
- The framework of the process is **configured once**.
- **Input fields** are available to formulate the individual details of the enquiry.
- TIAs always provide **reliable answers** of consistent quality **with minimal effort** for the user.

→ By our inhouse innovation team

# TIA Platform

## Examples

### Literature review - economics

Provides an academic literature review of a given topic in economics



### Summarize document - Economics

Summarizes documents attributable to the field of economics.



### JavaScript Nashorn



### Appreciation shower

In many organizations, feedback focuses on what could be better. Positive feedback is sometimes neglected. The so called appreciation shower therefore focuses exclusively on appreciation, gratefulness ...



### text-to-chart

Vorschläge für Grafiken zu einem gegebenen Text machen



### Generate a concept for JIRA



### PowerShell-Spezi

Hier kennt sich jemand mit der Powershell aus.



### Simple language with certain rules

Converts texts into easy-to-read language, taking into account the requirements of DIN SPEC 33429.



### Setup Prompt Generator

The Setup Prompt Generator creates a setup prompt for a given use case. This can either be used as a setup prompt in a new TIA or serve as an introduction to the chat with an LLM.



# TIA Platform

## Some details

- TIA uses **Chat GPT**
  - choice between GPT 35 Turbo; GPT 4 Turbo; GPT 4
  - via **Azure Microsoft Cloud Service**
- Language: **English** and **German**
- Until June: only test users (currently **500**); from June on open for all employees
- Currently **163 TIAs** (05/06/2024) on the platform
- Can process **confidential** Bundesbank documents.
- Created TIAs should be **open to all employees** at the Bundesbank, still there is the possibility to give access only to a certain group.
- **Trainings** by the innovation team how to write a good setup and main prompt
- There are some projects to **share the code** and some prompts within the ESCB (contact: [janek.blankenburg@bundesbank.de](mailto:janek.blankenburg@bundesbank.de))

# TIA Platform

## Let's get started

[TIA Plattform - Anmelden \(bundesbank.de\)](https://bundesbank.de)

### Login:

UserID

Lan-PW

II: Explore examples of TIAs

III: Create a new TIA

# Contact

Many thanks for your attention!

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Deutsche Bundesbank

Analysis, aggregation and methods of external sector statistics