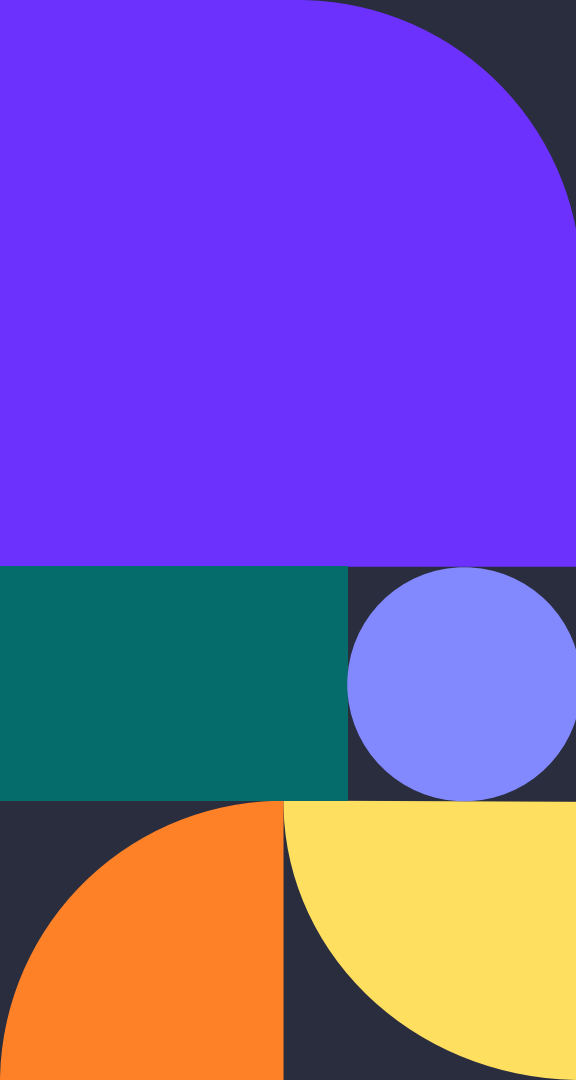




R Documentation as an AI Tool

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@ useR! 2026

About Me

Pawel Rucki

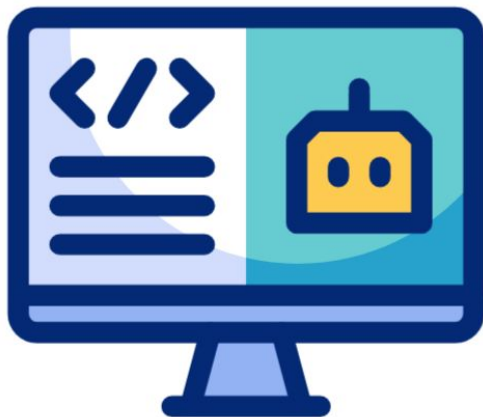
Principal Data Scientist @ Roche

Doing R and AI in clinical trials



Problem: Agents are confidentially wrong about R

Observed especially for:



- Less popular, domain specific R packages
- Newly released packages
- Internal packages

... but the answer exists on your machine!



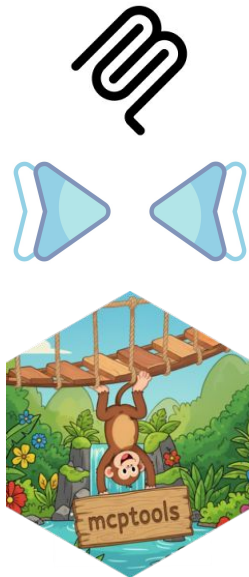
Every installed packages has:

- Help files
 - Description
 - Usage
 - Examples
 - Further references
- Vignettes
- Actual source code

Design



Model Context Protocol



{mcptools}



{mcp.rhelp}

A lightweight R package with ~20 read only functions, e.g.

- `help("<phrase>")`
- `pkg_articles("<package name>")`
- `pkg_article("<package name>", "<article name>")`
- `pkg_vignettes("<package name>")`
- `pkg_vignette("<package name>", "<vignette name>")`
- `pkg_help("<package name>", "<object name>")`
- `pkg_obj_source("<package name>", "<object name>")`
- ...

{mcp.rhelp} – usage



```
1  {
2    "mcpServers": {
3      "rhelp": {
4        "command": "Rscript",
5        "args": ["-e", "mcptools::mcp_server(mcp.rhelp::get_tools(), session_tools = FALSE)"]
6      }
7    }
8  }
9
```

{mcp.rhelp} – usage



```
1  # AGENTS.md
2
3  ## Main goal
4
5  You are a helpful assistant (...)
6
7  ## R language
8
9  When working with R and R packages, use `mcp.rhelp` tools to ...
10
11  (...)
```


**Stop AI from guessing
Let it read instead!**

Thank you!