

# REST API based data visualization and pdf reporting system

## Project Characteristics

Modeling: ★★☆☆☆  
Mathematics: ★★☆☆☆  
Programming: ★★★★★

### Setting:

- Demoskopia measures patient satisfaction using tablets in clinics and hospital
- The survey data is transferred to an REST based webapplication
- Doctors and Physicians receive a pdf report about the patient satisfaction in their hospital
- Reporting is done in Matlab and should be migrated to Python

### Your Tasks:

- Create a python reporting application that replaces Demoskopias Matlab Reporting
- Connect to the web application using REST API
- Process the data with Python Pandas
- Migrate the Analysis to Seaborn or Similar
- Migrate the report engine to python reports

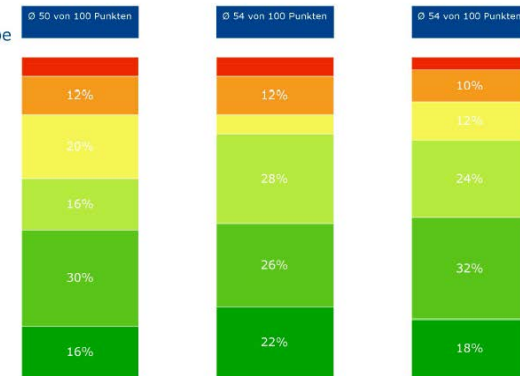
[www.demoskopia.de](http://www.demoskopia.de)



## Flop 3 Patientengruppen Teil 1

Hier werden die unzufriedensten Patientengruppen genauer betrachtet. Im Balkendiagramm werden die Fragen angezeigt, die innerhalb der Patientengruppen am schlechtesten bewertet wurden.

Gesamtzufriedenheit der Patientengruppe  
36 - 50 und gesetzlich versichert



sehr gut, gut, befriedigend, ausreichend, mangelhaft, ungenügend

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