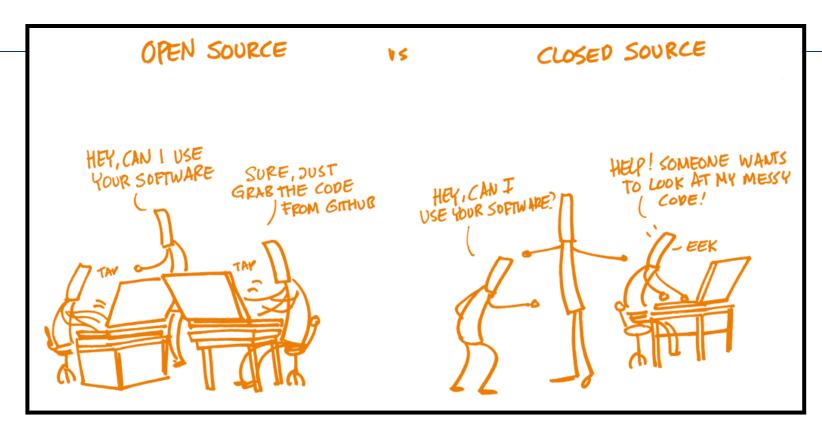
# Mach dein Softwareprojekt nutzbar für andere!









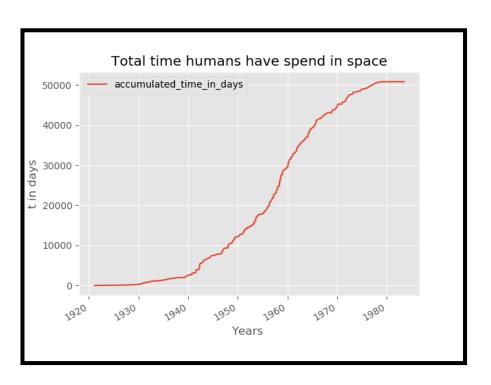
# I wanna share my code, but what should I do to make it reusable?

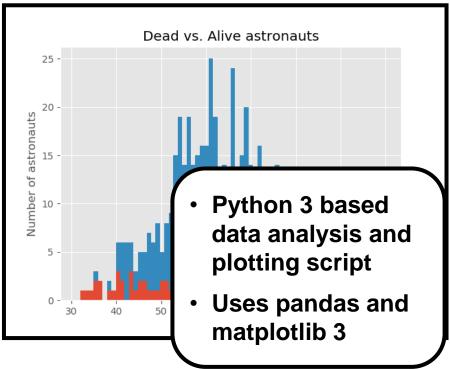


- 1. Put your code under version control
- 2. Make sure that your code is in a sharable state
- Add essential documentation
- 4. Add a license file
- 5. Mark the stable version of your code
- 6. Make your code citable

# **Example: Astronaut Analysis**







# 1. Put your code under version control



#### **Keypoints**

- Version control helps you to prepare the code for sharing.
- Make sure to put all relevant artifacts into the repository.
- .gitignore helps you to specify things that you do not want to share.

### 2. Make sure that your code is in a sharable state



#### **Keypoints**

- Make sure that others can (re-)use your code
- Do not share internals and secrets with your code
- Strive for understandable code

#### **Changes:**

- PEP8 code style
- Code comments
- Relative file paths
- Functions
- Better directory structure

#### 3. Add essential documentation



#### **README.md - The Front Page of Your Code**

#### **Keypoints**

- Provide documentation for relevant target groups
- Add a README file as a minimum documentation artifact to your repository

#### **Typical Structure:**

- Software name
- Purpose
- Install
- Usage
- Contributing
- Citation Hint
- License

#### 4. Add a license



Excursus on (open source) licenses...

# Copyright

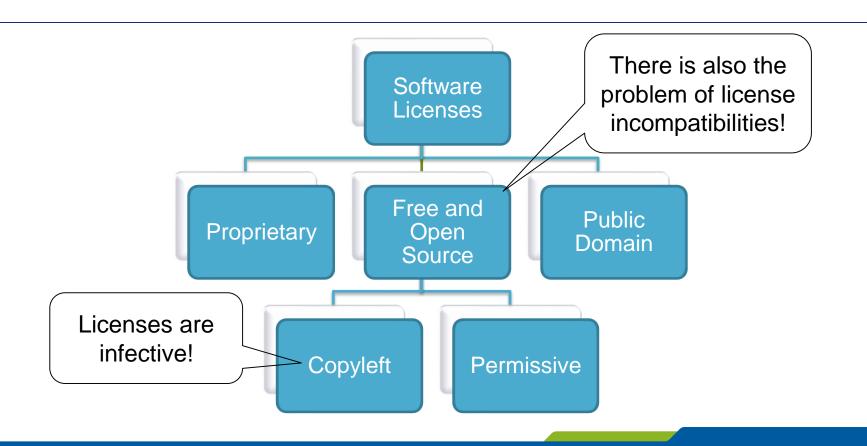


- Copyright:
  - protects the <u>expression of an idea</u>
  - grants exclusive rights to the copyright holder
- Everyone contributing to a software is considered a copyright holder of the software
  - All contributors are considered as copyright holders
  - A company paying an employed developer obtains most of the exclusive rights



#### **Software Licenses**





#### 4. Add a license



#### **Keypoints**

- Choose a license
- Prepare your code
  - Add license file(s) to your repository (=> LICENSES directory)
  - Add a copyright/license information to all your files
  - Provide a license and copyright holder hint
  - Document your third-party dependencies including their licenses

# 5. Mark the stable version of your code



#### **Keypoints**

- Mark usable, stable versions of your code using release numbers and tags
- Document important changes with the help of a changelog

# **Summary**



- 1. Put your code under version control
- 2. Make sure that your code is in a sharable state
- 3. Add essential documentation
- 4. Add a license file
- 5. Mark the stable version of your code
- 6. Make your code citable

# **Image Credits**



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