LIFELINES

lifelines

lifelines is a complete survival analysis library, written in pure Python. What benefits does *lifelines* have?

- easy installation
- internal plotting methods
- simple and intuitive API
- handles right, left and interval censored data
- contains the most popular parametric, semi-parametric and non-parametric models

Installation

```
pip install lifelines
```

or

```
conda install -c conda-forge lifelines
```

Source code and issue tracker

Available on Github, CamDavidsonPilon/lifelines. Please report bugs, issues and feature extensions there. We also have discussion channel available to discuss survival analysis and *lifelines*:

Citing *lifelines*

The following link will bring you to a page where you can find the latest citation for *lifelines*:
Citation for lifelines

Documentation

Quickstart & Intro

- Quickstart
- Introduction to survival analysis

Univariate Models

- Estimating univariate models
- Piecewise exponential models and creating custom models
- Discrete survival models
- Time-lagged conversion rates and cure models

Regression Models

- Survival regression
- Custom regression models
- Compatibility with scikit-learn
- Time varying survival regression
- Testing the proportional hazard assumptions
- Do I need to care about the proportional hazard assumption?

Additional documentation

- API Reference
- More examples and recipes

About lifelines

- Changelog
- Development blog
- Citing lifelines

Questions? Suggestions?

- Discussion forum
- Create a GitHub issue

Developer Documentation

- Contributing to lifelines

- Development