

# Ludwig

|                             | Fill in   | Note |
|-----------------------------|---|------|
| Name of the software        | Ludwig  |      |
| Developer                   | Uber Technologies Inc.  |      |
| Version                     | N/A   |      |
| Year of publication         | 2019  |      |
| Description of the software | <p>Ludwig is a toolbox built on top of TensorFlow that allows to train and test deep learning models without the need to write code.</p> <p>All you need to provide is a CSV file containing your data, a list of columns to use as inputs, and a list of columns to use as outputs, Ludwig will do the rest. Simple commands can be used to train models both locally and in a distributed way, and to use them to predict on new data.</p> <p>A programmatic API is also available in order to use Ludwig from your python code. A suite of visualization tools allows you to analyze models' training and test performance and to compare them.</p> <p>Ludwig is built with extensibility principles in mind and is based on data type abstractions, making it easy to add support for new data types as well as new model architectures.</p> <p>It can be used by practitioners to quickly train and test deep learning</p> |      |

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|                                       | <p>models as well as by researchers to obtain strong baselines to compare against and have an experimentation setting that ensures comparability by performing standard data preprocessing and visualization.</p> <p>Ludwig provides a set of model architectures that can be combined together to create an end-to-end model for a given use case. As an analogy, if deep learning libraries provide the building blocks to make your building, Ludwig provides the buildings to make your city, and you can chose among the available buildings or add your own building to the set of available ones.</p> |  |
| Link to the software                  | <a href="https://uber.github.io/ludwig/">https://uber.github.io/ludwig/</a>  | GitHub:<br><a href="https://github.com/uber/ludwig/">https://github.com/uber/ludwig/</a> |
| Is it open-source software?           | YES  |  |
| Is it free software?                  | YES  |  |
| License                               | <a href="#">Apache License 2.0</a>   |  |
| Does it cost to use?                  | NO   |  |
| Does it collect any personal data?    | NO   |  |
| Does it respect the right to forget?  | N/A  |  |
| Application logs                      | Ludwig has a logging system.   |  |
| Does it contain an online user guide? | <a href="https://uber.github.io/ludwig/developer_guide/">https://uber.github.io/ludwig/developer_guide/</a><br><a href="https://uber.github.io/ludwig/user_guide/">https://uber.github.io/ludwig/user_guide/</a>   |  |

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| Hardware configuration                                      | No info available        |  |
| Software configuration                                      | Runs on Linux, Mac OS X. |  |
| Text data visualisation                                     | YES                      |  |
| Does it analyse pictures/photos?                            | YES                      |  |
| Multiple languages  | YES                      |  |
| Third-party software products integration                   | NO                       |  |
| Cross-platform support for desktop, tablet and mobile users | NO                       |  |
| Scalability   | NO                       |  |
| Automatically creates database                              | NO                       |  |
| Uses AI   | YES                      |  |