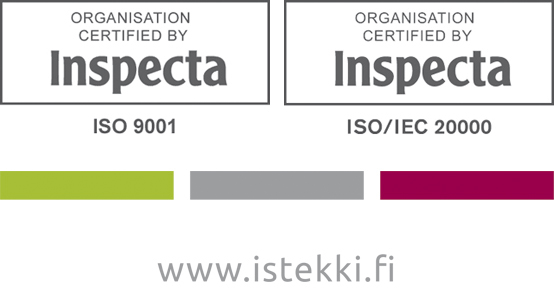
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | Istekki4vLOGO_2_kirje_koko  **Applications installed to the virtual workspaces** | |  | |  | |  | |  | |



**Version history**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Version | Date | Authors | Approved by | Valid till |
| 1.0 | 15.8.2022 | Markus Johansson & Pekka Hänninen |  |  |
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**Change history**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author | Description |
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1. Introduction

This document provides list of all the applications installed to the virtual work spaces.

1. Applications

All available applications in virtual work spaces are listed to the table below:

|  |  |  |
| --- | --- | --- |
| **Application** | **Installed 10.6.2022** | **Additional info** |
| RStudio 2022.02.3+492 | OK |  |
| R version 4.1.2 | OK |  |
| tidyverse | OK |  |
| reticulate | OK |  |
| tidyselect | OK |  |
| data.table | OK |  |
| DBI | OK |  |
| here | OK |  |
| knitr | OK |  |
| kable | OK |  |
| odbc | OK |  |
| plotly | OK |  |
| readxl | OK |  |
| scales | OK |  |
| xlsx | OK |  |
| caret | OK |  |
| diffusionMap | OK |  |
| dummies | OK |  |
| e1071 | OK |  |
| epitools | OK |  |
| forecast | OK |  |
| foreign | OK |  |
| gamlss | OK |  |
| lavaan | OK |  |
| lcmm | OK |  |
| lme4 | OK |  |
| mclust | OK |  |
| NbClust | OK |  |
| nlme | OK |  |
| PredictABEL | OK |  |
| pROC | OK |  |
| pspline | OK |  |
| RColorBrewer | OK |  |
| Rgraphviz | OK |  |
| semPlot | OK |  |
| SnowballC | OK |  |
| splines | OK |  |
| stringi | OK |  |
| survcomp | OK |  |
| survival | OK |  |
| tm | OK |  |
| wordcloud | OK |  |
| rsqlite | OK |  |
| Rmysql | OK |  |
| Rpostgressql | OK |  |
| Haven | OK |  |
| Dplyr | OK |  |
| Tidyr | OK |  |
| Tibble | OK |  |
| Lubridate | OK |  |
| Stringr | OK |  |
| Tidymodels | OK |  |
| Car | OK |  |
| Mgcv | OK |  |
| Vcd | OK |  |
| Multicomp | OK |  |
| Ggplot2 | OK |  |
| Rgl | OK |  |
| Ggvis | OK |  |
| Htmlwidgets | OK |  |
| Modelr | OK |  |
| Mlr | OK |  |
| Xgboost | OK |  |
| Shiny | OK |  |
| Modelr | OK |  |
| Rmarkdown | OK |  |
| Xtable | OK |  |
| RTools | OK |  |
| Rcpp | OK |  |
| Devtools | OK |  |
| Duckdb | OK |  |
| EPI | OK |  |
| Glmm | OK |  |
| Fst | OK |  |
| Qs | OK |  |
| MASS | OK |  |
| Anaconda, with Python 3.9 | OK | No miniconda, no separate Python 3.9 install |
| Jupyter | OK |  |
| Jupyterlab | OK |  |
| Spyder | OK |  |
| Python 3.9 | OK |  |
| Scikit-Learn | OK |  |
| numpy | OK |  |
| pandas | OK |  |
| matplotlib | OK |  |
| scipy | OK |  |
| seaborn | OK |  |
| statsmodels | OK |  |
| plotly | OK |  |
| sqlalchemy | OK |  |
| pyodbc | OK |  |
| Pendulum/ Arrow | OK |  |
| Python Imaging Library Ja Pillow | OK |  |
| Moviepy | OK |  |
| Keras Applicationt / Keras-Preprocessing | OK |  |
| Pytorch | OK |  |
| Scrapy | OK |  |
| Beautiful Soap | OK |  |
| NLTK | OK |  |
| Sympy | OK |  |
| Ipython Notebook | OK |  |
| Opencv-Python | OK |  |
| Pickleshare | OK |  |
| Gpustat | OK |  |
| Tensorflow | OK |  |
| Tensorflow-Gpu | OK |  |
| Xgboost | OK |  |
| Matplotlib | OK |  |
| Seaborn | OK |  |
| Bokeh | OK |  |
| Plotly | OK |  |
| Pydot | OK |  |
| Shiny | OK |  |
| bcftiiks | OK |  |
| plink | OK |  |
| Pytorch with cuda | OK |  |
| Shutil | OK |  |
| Natsort | OK |  |
| Timm | OK |  |
| Efficient-pytorch | OK |  |
| Pretrained models | OK |  |
| Openslide | OK |  |
| Urllib | OK |  |
| sqlite3 | OK |  |
| SQLite | OK |  |
| Visual Studio Code 1.67 | OK |  |
| Microsoft Python-extensions for Visual Studio Code | OK | Python, Jupyter ja Jupyter Notebook Renderers extensions |
| Pycharm community 2022.1.2 | OK |  |
| SPSS | OK |  |
| Notepad++ | OK |  |
| Winmerge | OK |  |
| Libre Office | OK |  |
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