jtistics

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CHARITÉ
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a tool that lets you easily
plan, supervise, and analyse
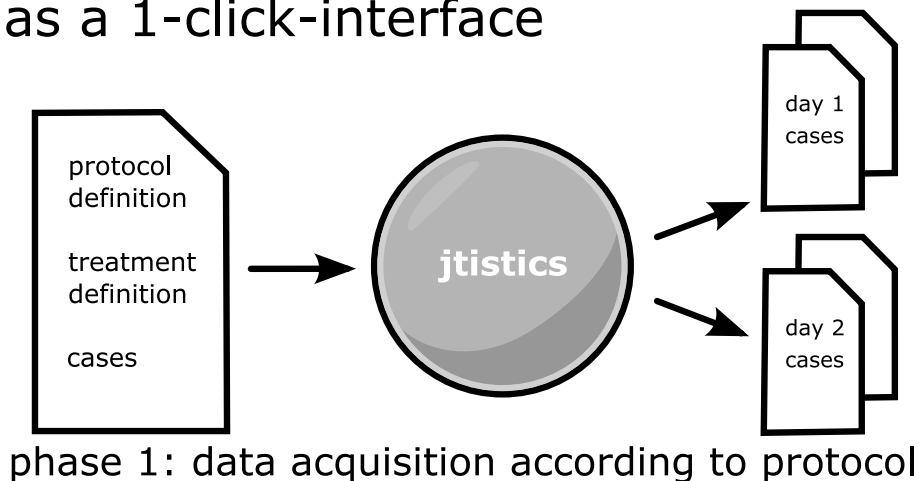your clinical trials and experimental protocols

key features

- handles a broad range of clinical analyses
- enables you to define protocols and cases clearly
- keeps track of treatment groups and assists
  with randomization
- generates task plans for every day and analysis
- allows early consistency check of gathered data
- performs fast statistical analyses, allowing early
  intervention

CENTER FOR CARDIOVASCULAR RESEARCH

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additional features

- data and program fits on 1GB usb drive
- uses spradsheets as user frontend
- is tested with 1000+ cases
- task plans are meant to be taken to the animal facility
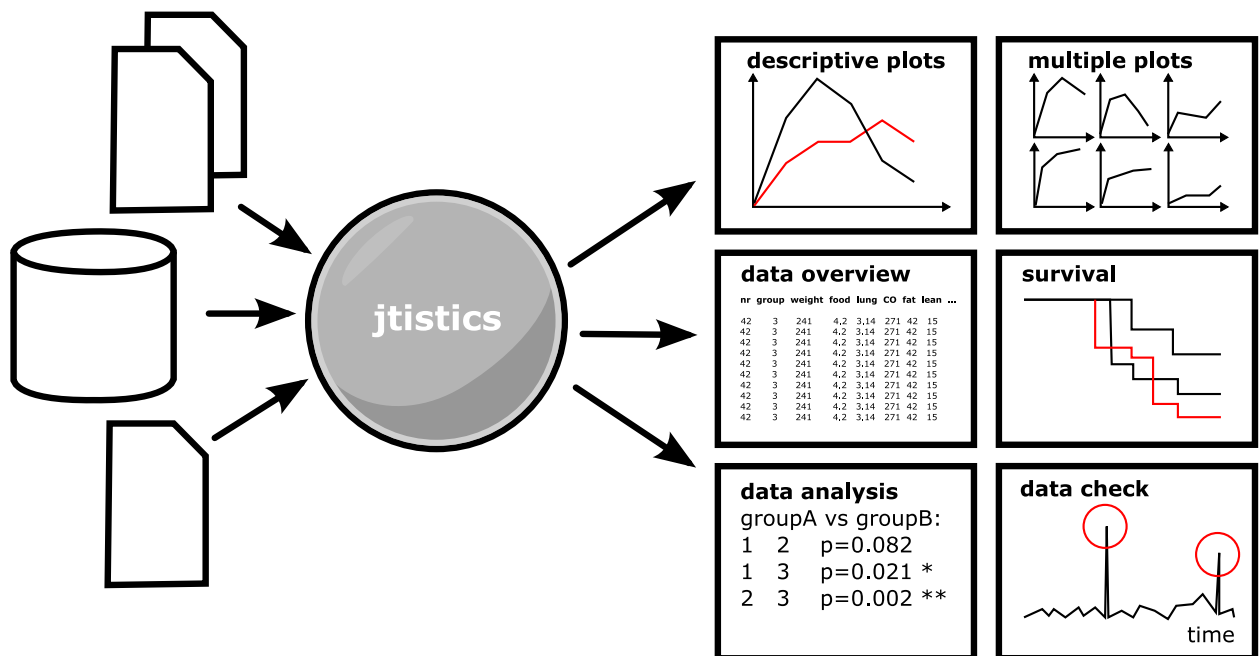- modular architecture allows integration of new data sources
- has a 1-click-interface

protocol definition

treatment definition

cases

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day 1 cases

day 2 cases

phase 1: data acquisition according to protocol

supported clinical analyses

locomotor activity

echocardiography

body weight

food intake

histology

nmr

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technical details

- supports a variety of platforms
  (Windows, Linux, MacOS)
- data integrity ensured by database
- underlying sql database allows easy
  data access for other tools

phase 2: data combination and analyses

statistical analyses
significance tests
regression tests
multipanel plots
linear models
correlations
survival

...

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software details
Java (data im-/export)
OpenOffice (user interface)
ant (flow control)
R (statistical analyses)

java.sun.com
openoffice.org
ant.apache.org
r-project.org