

# SURVO MM: Computing Environment for Statistical Research and Teaching



## Actively developed

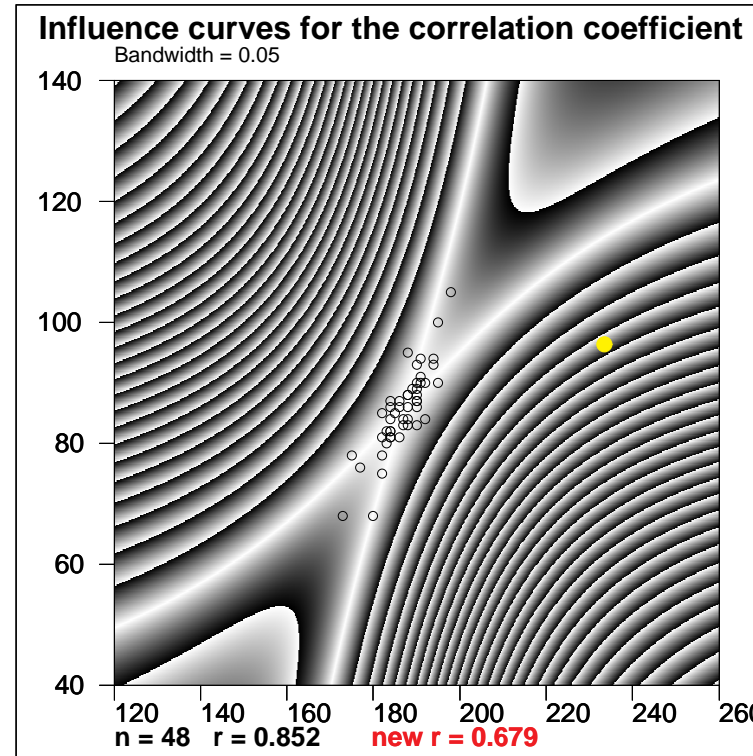
Survo forms a general computing environment for various research tasks related to measurement and survey methodology: developing and testing new methods, making simulation experiments, analyzing large data sets, plotting graphs and generating reports.

The **unique interface** of Survo is based on working in a text editor.

A powerful matrix interpreter and macro language provide efficient tools for developing applications.

The current version **SURVO MM** is actively developed further. See: [www.survo.fi/english](http://www.survo.fi/english)

## Statistical graphics



*Interactive graph:* the weight and the height of 48 athletes with an artificial outlier reducing the correlation from 0.852 to 0.679.

## Decades of history

The history of Survo began from a statistical program in 1960s. In 1970s, *Seppo Mustonen* and his research group created **SURVO 76**, one of the first interactive statistical programs in the world. The *editorial interface* replaced the menu-based interface in 1979.

## References

- Mustonen, S. (2005). Influence curves for the correlation coefficient. <http://www.survo.fi/papers/corrcurves.pdf>
- Mustonen, Seppo (2001). The new Windows version of Survo. <http://www.survo.fi/mm/english.html>
- Mustonen, S. (1992). Survo - An Integrated Environment for Statistical Computing and Related Areas, Survo Systems, Helsinki.
- Vehkalahti, Kimmo (2005). Leaving useful traces when working with matrices. *Research Letters in the Information and Mathematical Sciences*, **8**, 143-154.