



INTERNSHIP PROJECT PROPOSAL

Title	TiU-01/04: Data Science for the Pension Sector
Dutch language mandatory	No
Internship period	Flexible
For students in	All programs
Internship supervisor(s)	To be announced

Tilburg University and Netspar are offering four internships in the broad area of Data Science for the pension sector. Data Science as a field is expected to play a large role in the finance and insurance sector in the near future. Possible questions (in random order) are:

- What can we learn from entrance of data-driven companies or data-driven processes in other industries?
- Is there a separate role for data science in the pension industry or should it be considered part of more general financial life-cycle planning?
- Which ethical and privacy issues play a role in general and specifically for financial data?
- Are there opportunities for E-law developments, for instance in automated monitoring?
- Which data-science techniques (like text mining) are useful to answer pension-related questions?
- Is the natural focal point of data science an individual participant, a household or a group of individuals?
- How can data science help to personalize pension planning?
- How can data science help in the design of pension schemes?
- How can data science help to increase pension engagement / optimizing pension communication?
- How can data science be useful to simulate/stimulate policy reforms?
- Can we provide useful definition for Big Data, Data Science, etc. specifically for the pension industry?
- Is it correct to assume that data is not necessarily large (in terms of terabytes) in this domain of application, but that linking relevant data is the more pressing challenge?
- Is there a role for new data (e.g., gathered via social media)?
- How can data science help to improve dynamic asset strategies?
- If data science leads, e.g., to much more precise individual longevity forecasts, how does that affect solidarity and the insurance market?

Applicants are strongly encouraged to think of their own Data Science application they consider relevant for the pension sector.

The internships will take place at one of the Netspar partners (see www.netspar.nl). Interested?; use the apply button (top right corner).

For more information, please contact Bas Werker at Werker@TilburgUniversity.edu.