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Virtual conference



The impact of TNO (hyperlink)

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Methods

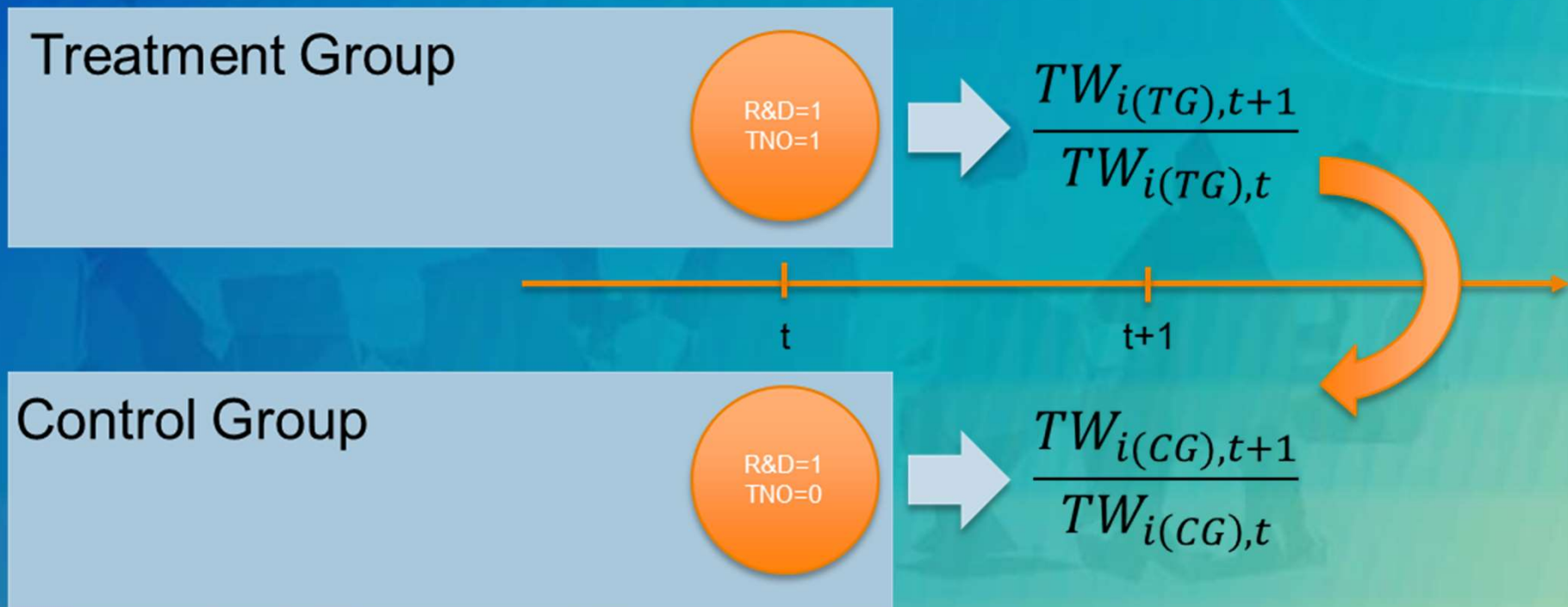
Matching	Average Treatment Effect [%]
Propensity Score Matching	14,4
Nearest Neighbour Matching	16,8

Results

Companies that use TNO service have a **14 - 17 % higher growth in value added growth** in the next year, in comparison to firms who conduct R&D, but do not involve TNO

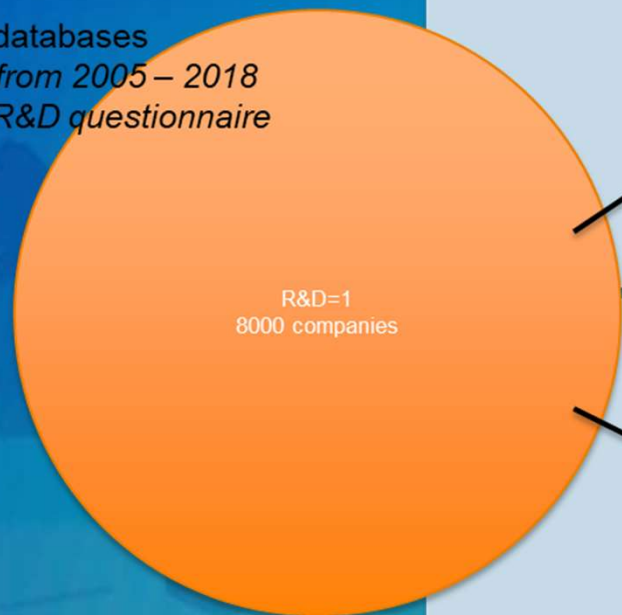


2 Measuring impact: set-up



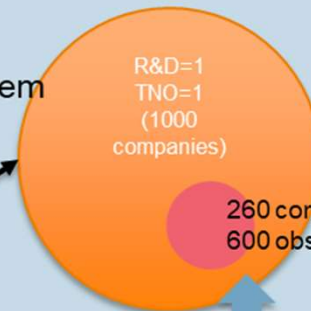
3 Measuring impact: data used

CBS databases
Data from 2005 – 2018
CIS, R&D questionnaire



Treatment Group

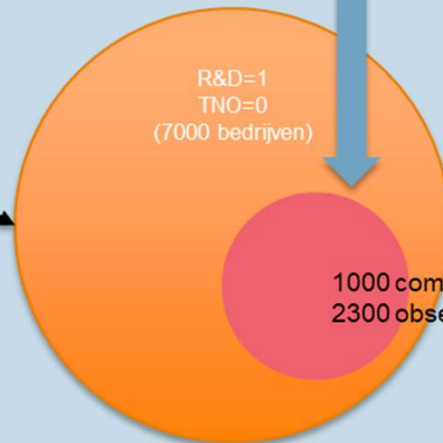
TNO SAP system
Invoices



260 companies
600 observations

Matchen:
C,L,K(R&Dexp)

R&D=1
TNO=0
(7000 bedrijven)



1000 companies
2300 observations

Control Group

