

# Exploratory pathway analysis

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Propositions accompanying the thesis

## **Exploratory Pathway Analysis**

by Thomas Kelder

1. A critical step of data analysis is to integrate what we already know.  
– *Chapter 1*
2. Biological pathways provide a powerful medium for integrating existing knowledge in bioinformatics approaches to exploratory data analysis.  
– *Chapter 2*
3. To improve understanding of complex diseases, we need to look beyond boundaries of canonical pathways.  
– *Chapters 2 and 5*
4. The success of a wiki depends on the usability of its content.  
– *Chapters 3 and 6*
5. The main challenge in writing user friendly software is to deal with the fact that users are not software friendly.
6. It would benefit scientific progress if after the semantic web, the next hot topic in bioinformatics would be biology.
7. An approximate answer to the right question is worth a great deal more than a precise answer to the wrong question.  
– *John W. Tukey*
8. Commuting by bike in Florence has the reverse effect on life expectancy as in San Francisco.
9. Stellingen hebben weinig waarde voor een niet stellig persoon.