visualization of time-oriented data

Wolfgang Aigner
aigner@ifs.tuwien.ac.at
http://ieg.ifis.tuwien.ac.at/~aigner/
wolfgang.aigner@donau-uni.ac.at
http://ike.donau-uni.ac.at/~aigner/

Version 3.2
Contents

Introduction
What makes time a special data dimension?
What is time-oriented data?

Visualization Techniques
YOU decide, what we will look at

Roundup & Conclusions
Roundup

What makes time a special data dimension?

What is time-oriented data?

Concepts of time-oriented data

Visual variables for representing time

User Tasks for time-oriented data

Visualization techniques
Conclusions

time-oriented data covers a very broad field
what is considered as time-oriented data is task dependent
a lot of different techniques available
visualizations are task driven
periodic behavior is very common but relatively underexplored
not many dynamic techniques available
    Only very limited use of animation
more interactivity is desirable

Generally: **Visualization sparks interest for further investigation**
"Die Zeit verlängert sich für alle, die sie zu nutzen verstehen."
-- Leonardo Da Vinci