

# Visualization summary

# Vis Assistant

- Desirable
- As service?
- Is there more than one?
- We know more about the resource types than an general tool like Tableau, e.g. from metadata
- And visualization conventions (e.g. trees)
- start with tasks
- How much can we figure out what the tasks are? What the types of tasks are? Do we need to formalize the tasks?
- e.g. selecting virtual corpus based on linguistic (and metadata) information

# Development issues

- Resusability
  - How much is domain specific (linguistics)?
  - How much can we reuse from other domains? Off the shelf  
e.g. charts of frequencies
  - How much do we have to adapt?
  - How much do we have to build new?  
Example: Subcorpus creation itself is domain specific  
what would we need to do
- Applications and components
  - Visualization is part of larger application
  - FLASH, Silverlight provide drop-in components
- Need to know which component can be selected for which data
  - [cf. Tableau]

# Vis as input to further processes

- Visualization can be input to further manual annotation
  - TeamWare (in Gate)
- More generally, visualization could be input into further (manual) stage of workflow
- Difference between returning modified data and returning visualization proper
- Export for “publication”
- Could simpler visualization be incorporated into fancier one?
  - Overlay, coordinated/multiple views

# Server vs client

- For server
  - issue of libraries;
  - processing intensive construction
    - example of map construction
- Difference between rendering and display
  - e.g. jgraph in tomcat servlet
- Concerns about latency;
- Principle: only send necessary data to client