Towards Next Generation, Free, & Open-Source, Argument Analysis Tools

MonkeyPuzzle

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John Douglas
~
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“We never set out to build a new argument diagramming tool, it just kind of happened”

Context

<table>
<thead>
<tr>
<th>STCD</th>
<th>Old Tech.</th>
<th>Proprietary Tech.</th>
<th>New Problems &amp; Directions</th>
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</thead>
</table>
"If you’re going to build something new to overcome issues, what else could you do?"
I don't believe in anthropogenic global warming, because there's no way that six billion people burning millions of years of sequestered carbon could possibly affect the atmosphere of the planet in any measurable way.

I don't believe in anthropogenic global warming because I don't like the arrogant certainty of these scientists with their facts and analyses. The world is more complicated than facts. And anyway, you know who else liked science? Hitler! And Stalin!

I don't believe in anthropogenic global warming because, anyway, I read this article by this one guy who didn't believe in it. And he was a scientist! So, you see, there's no consensus: the jury's still out.

I don't believe in anthropogenic global warming because that hockey stick graph...
Features

❖ Source-Code - Run it, mess with it, break it, fix it, extend it…
❖ Work online or offline
❖ Multiple source texts -> Single Analysis
❖ Edit text nodes to give a canonical representation
❖ Serialise to a simple JSON format
❖ Export to PNG & SVG
❖ Build on advances in Arg. Theory (e.g. Scheme organisation)
❖ Foundation for exploration & extension
Future Work

❖ Node Merging
❖ Automated Layouts
❖ Support for a range of source documents
❖ Story maps & dialogue analysis
❖ Visualisation at scale
Technology Preview

MonkeyPuzzle

Refined User Interface
Automated Layout
Extensible Architecture
To Conclude…

❖ Argumentation has a rising profile
❖ Argument analysis, representation, & visualisation is not a solved problem
❖ Bootstrapping a new tool is difficult
❖ Diversification is a sign of a healthy ecosystem
❖ … I see these factors as opportunities