Universität
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Visualizing factor structures online with Radex

Michael Dantlgraber, and Ulf-Dietrich Reips

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Outline

1) Introducing **Factor Based Radex Visualization (FBRV)**
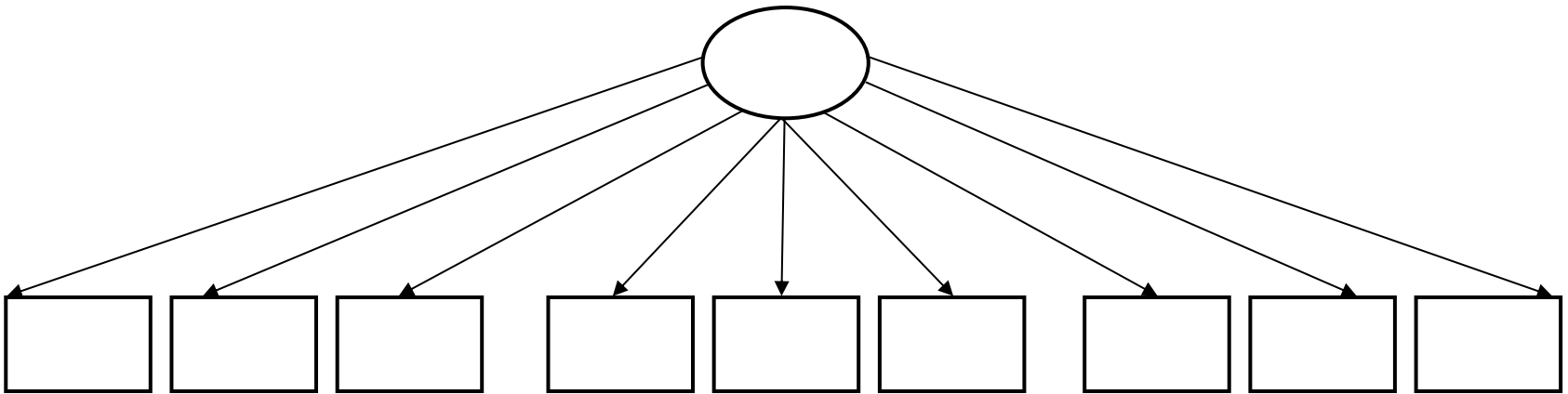
2) Comparing traditional scales like

   • **Locus of Control**
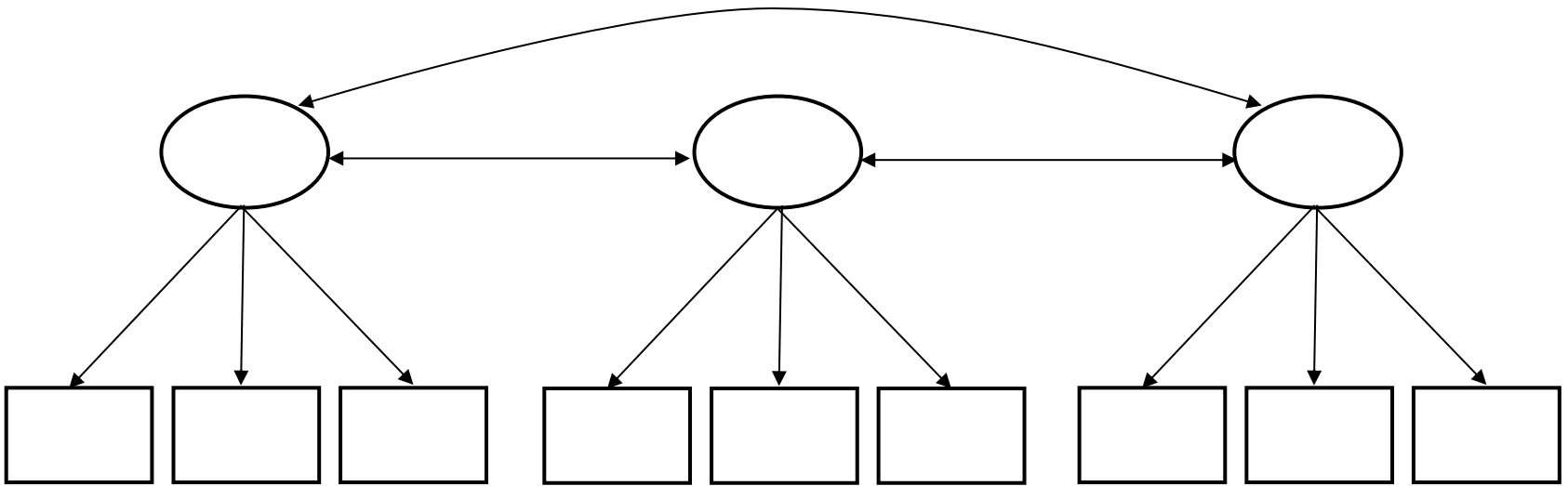   • **Self-Efficacy**
   • **Excitement Seeking**

   with the **Domain-Specific Risk-Taking Scale (DOSPERT)**
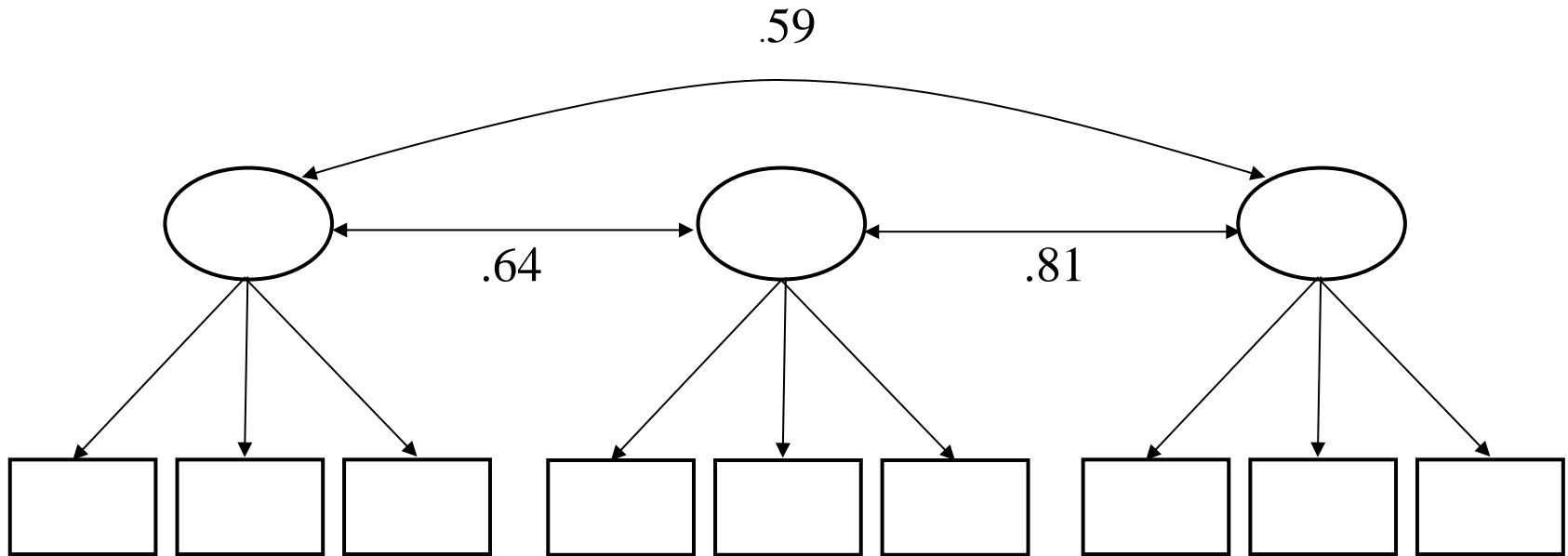
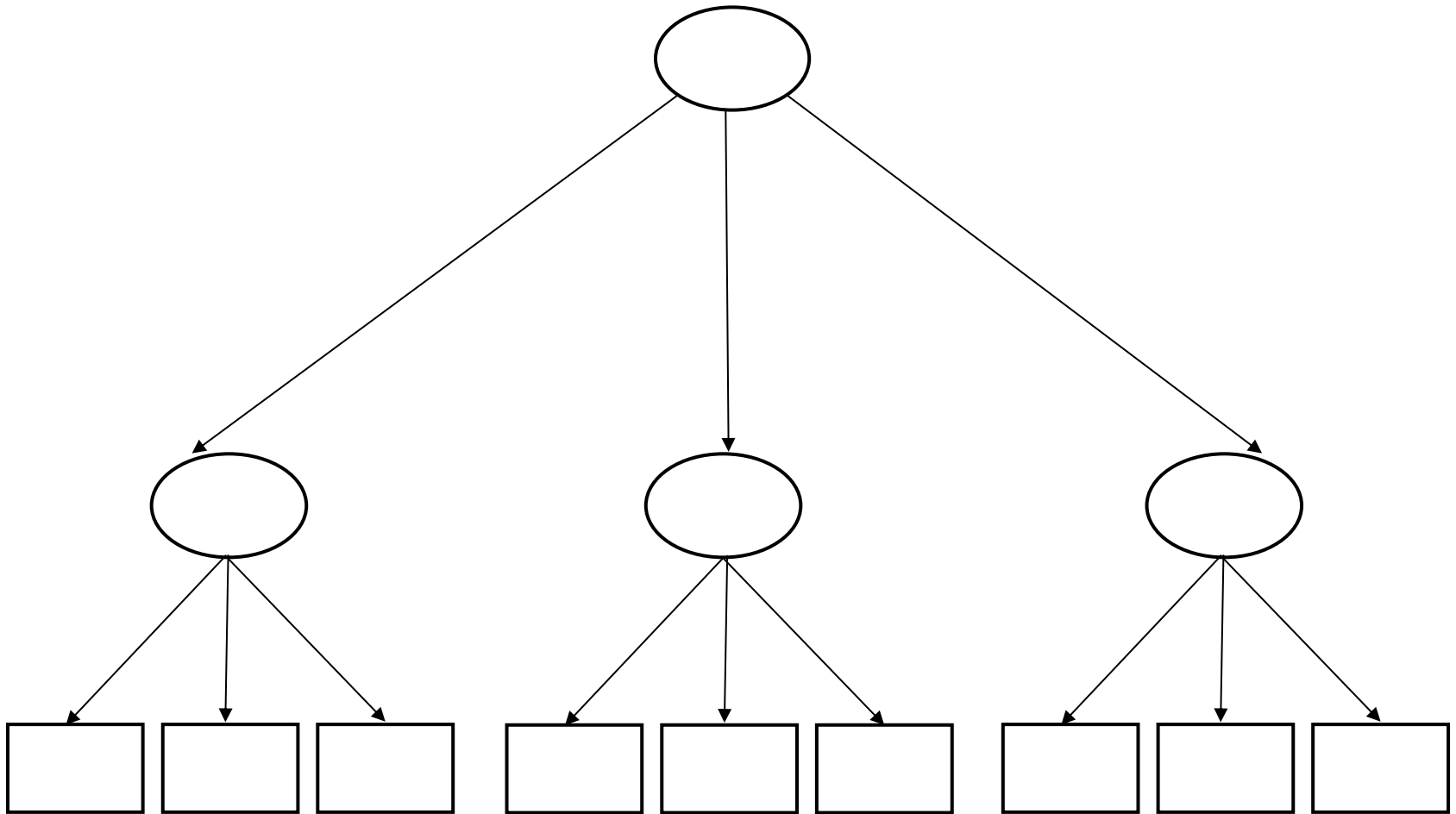3) Online based network extensions

Traditional Visualization

Traditional Visualization
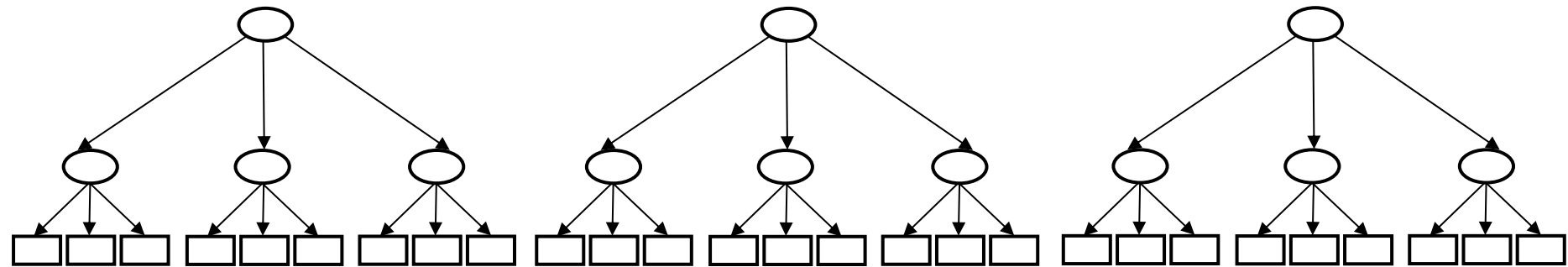
Traditional Visualization
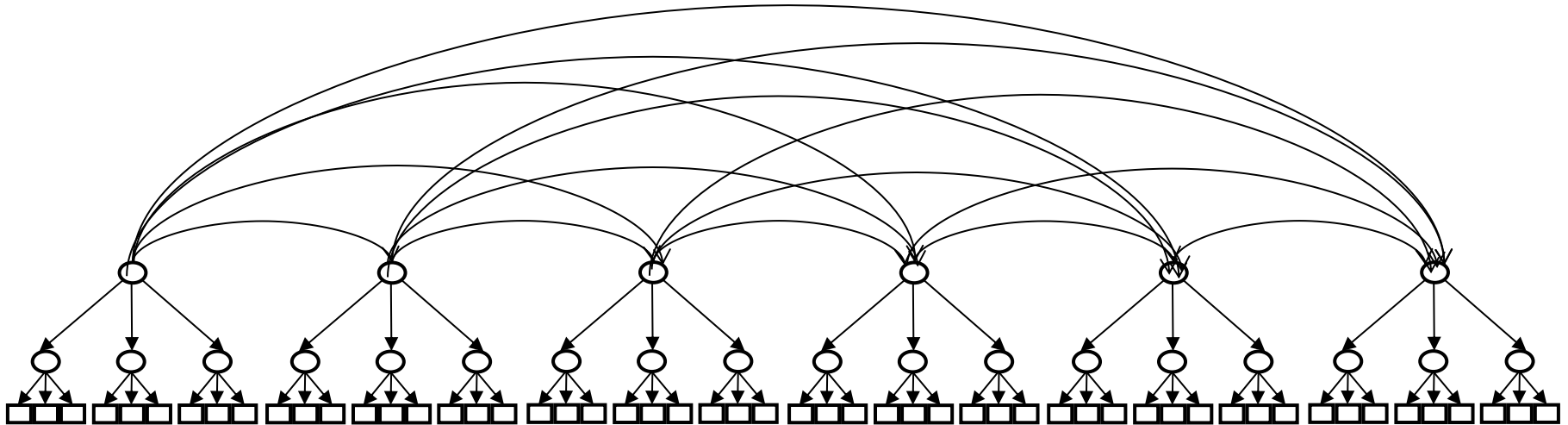
Traditional Visualization

Traditional Visualization

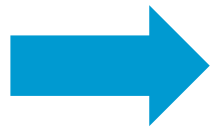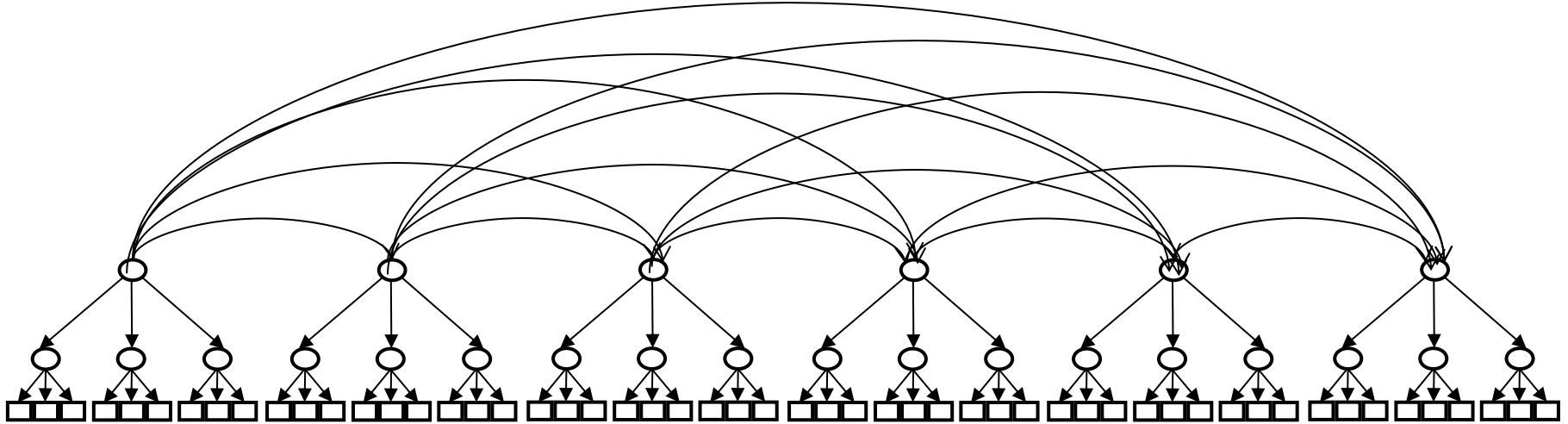**Substantial disadvantage of the traditional visualization:**

Further constructs can only be added left or right
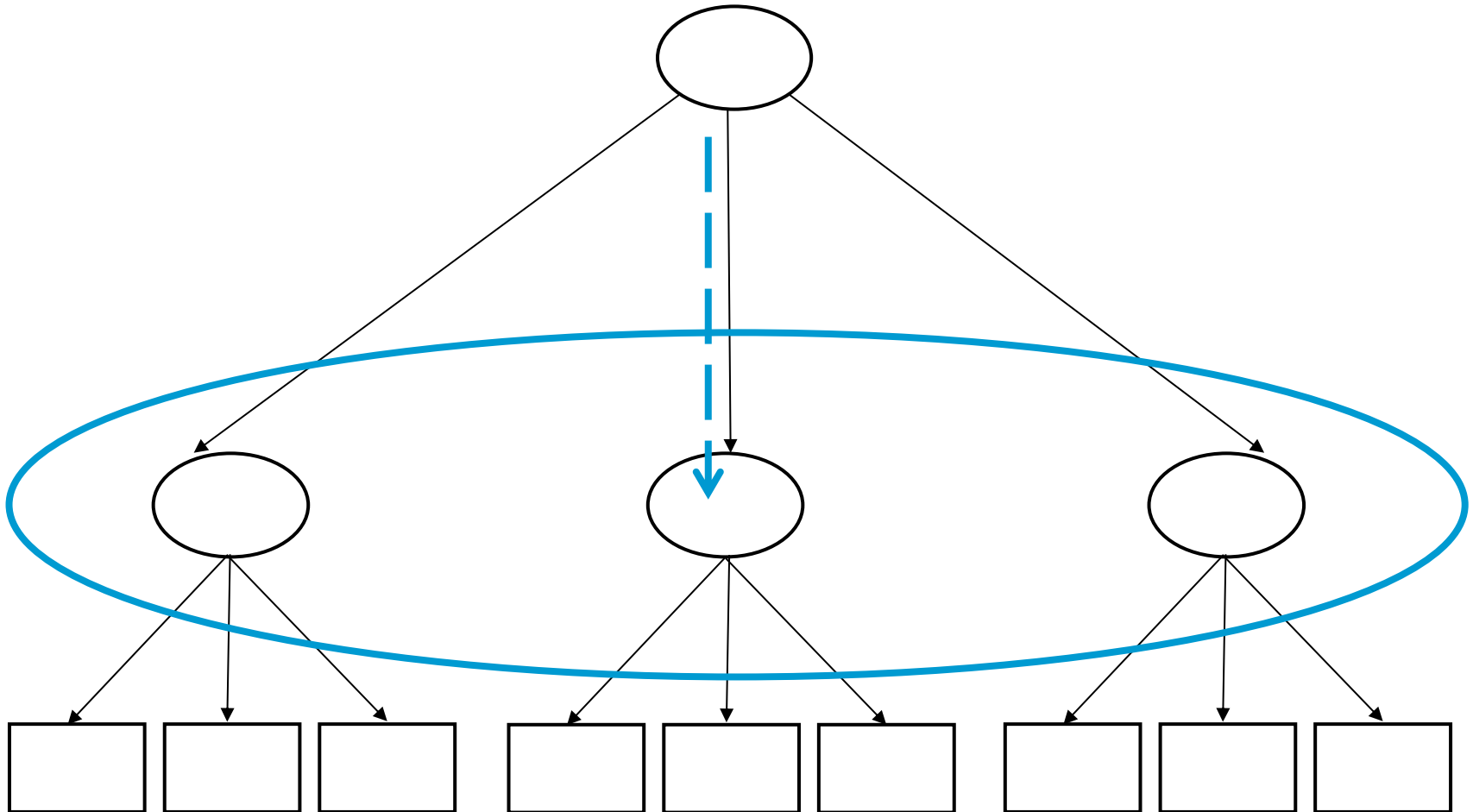
Traditional Visualization
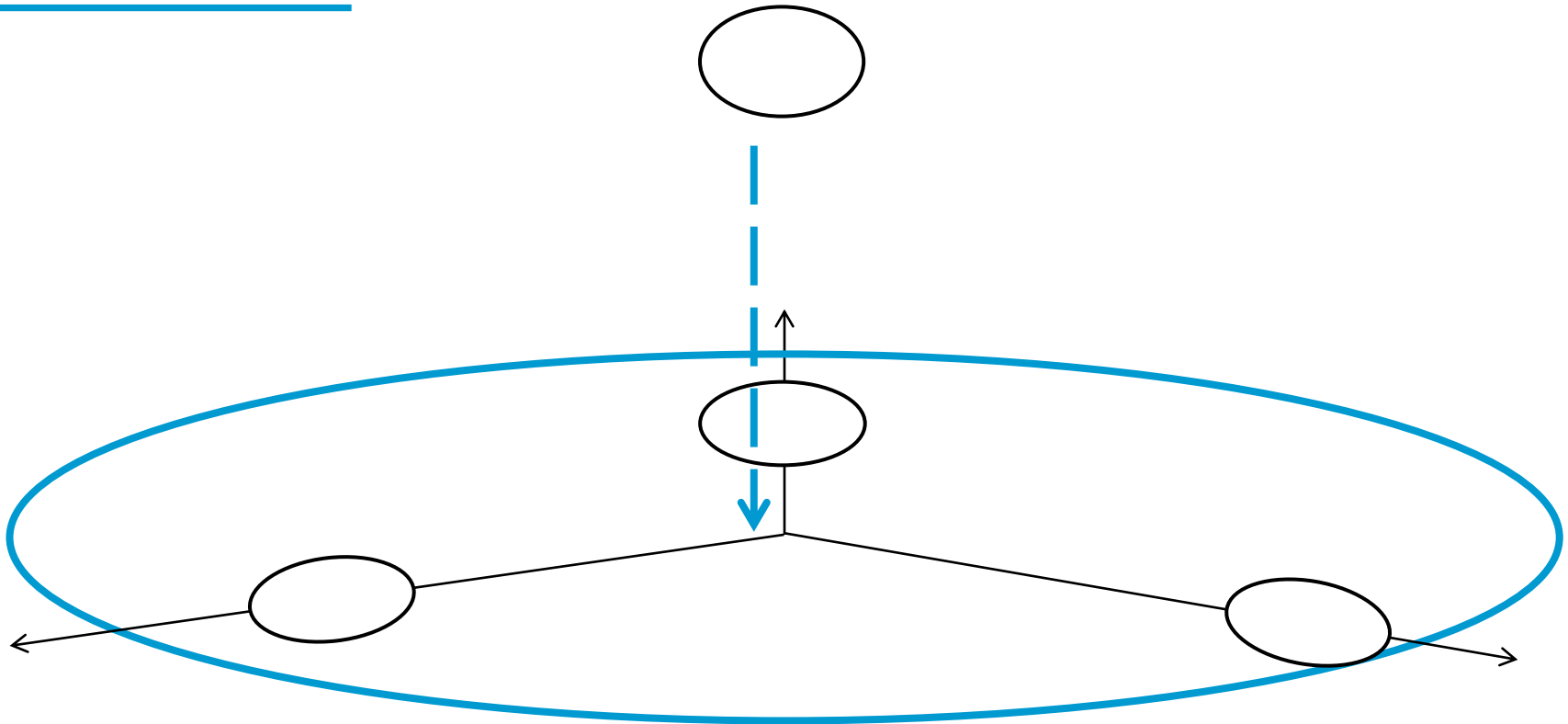
Traditional Visualization

the traditional visualization is not well suited for building a network of constructs

Traditional Visualization
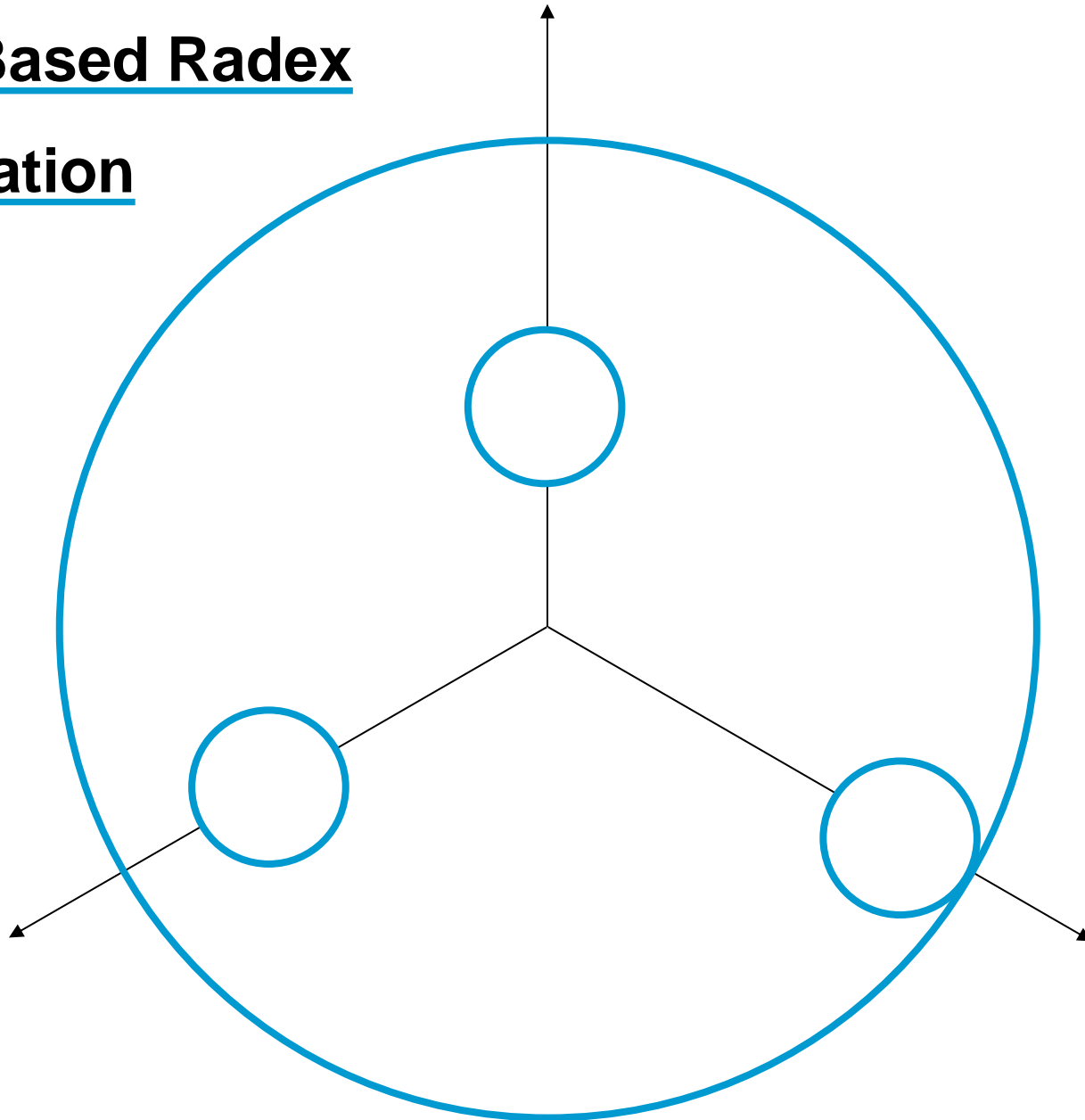
Factor Based Radex

Visualization

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Factor Based Radex

Visualization

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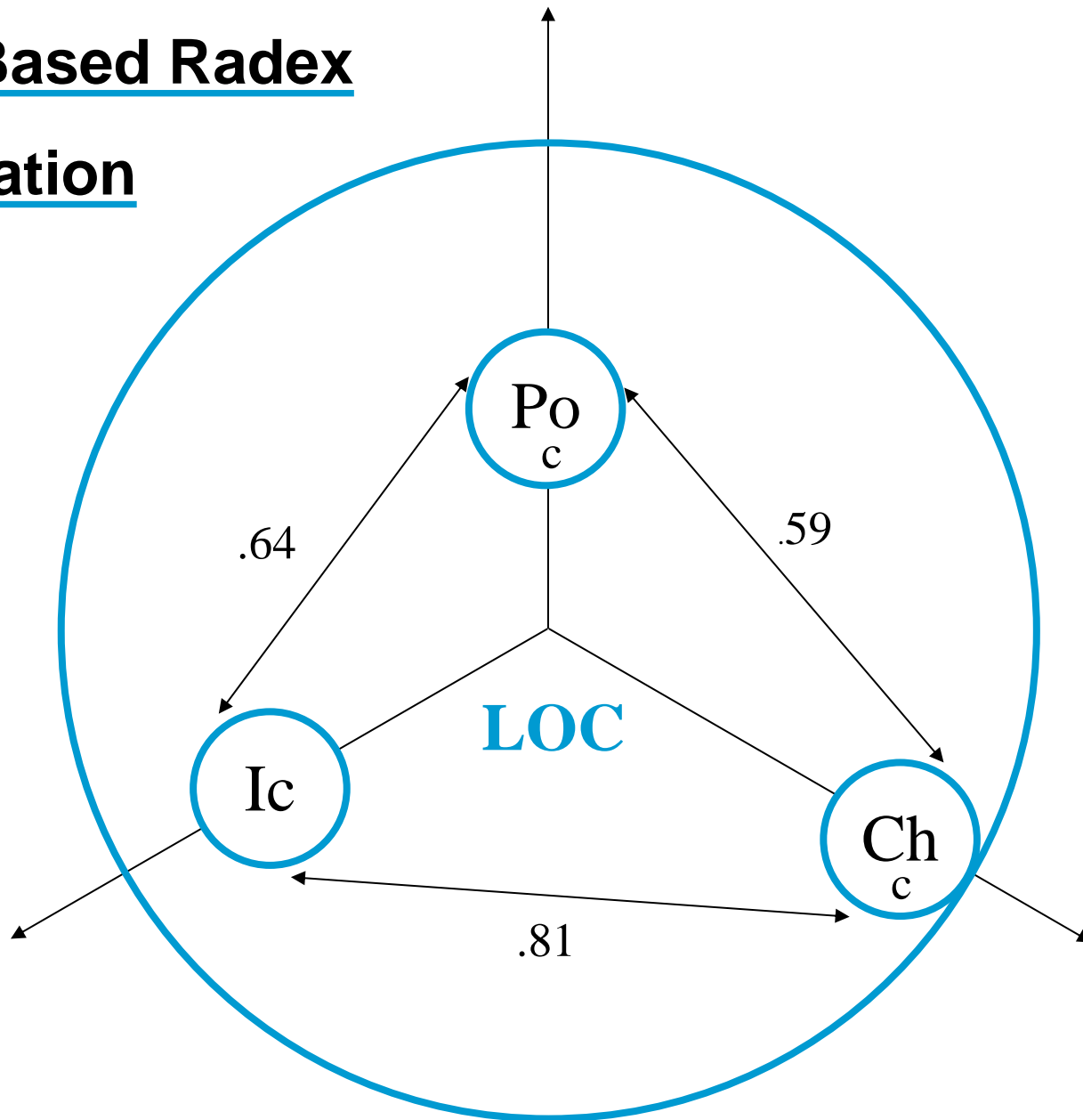
Factor Based Radex
Visualization
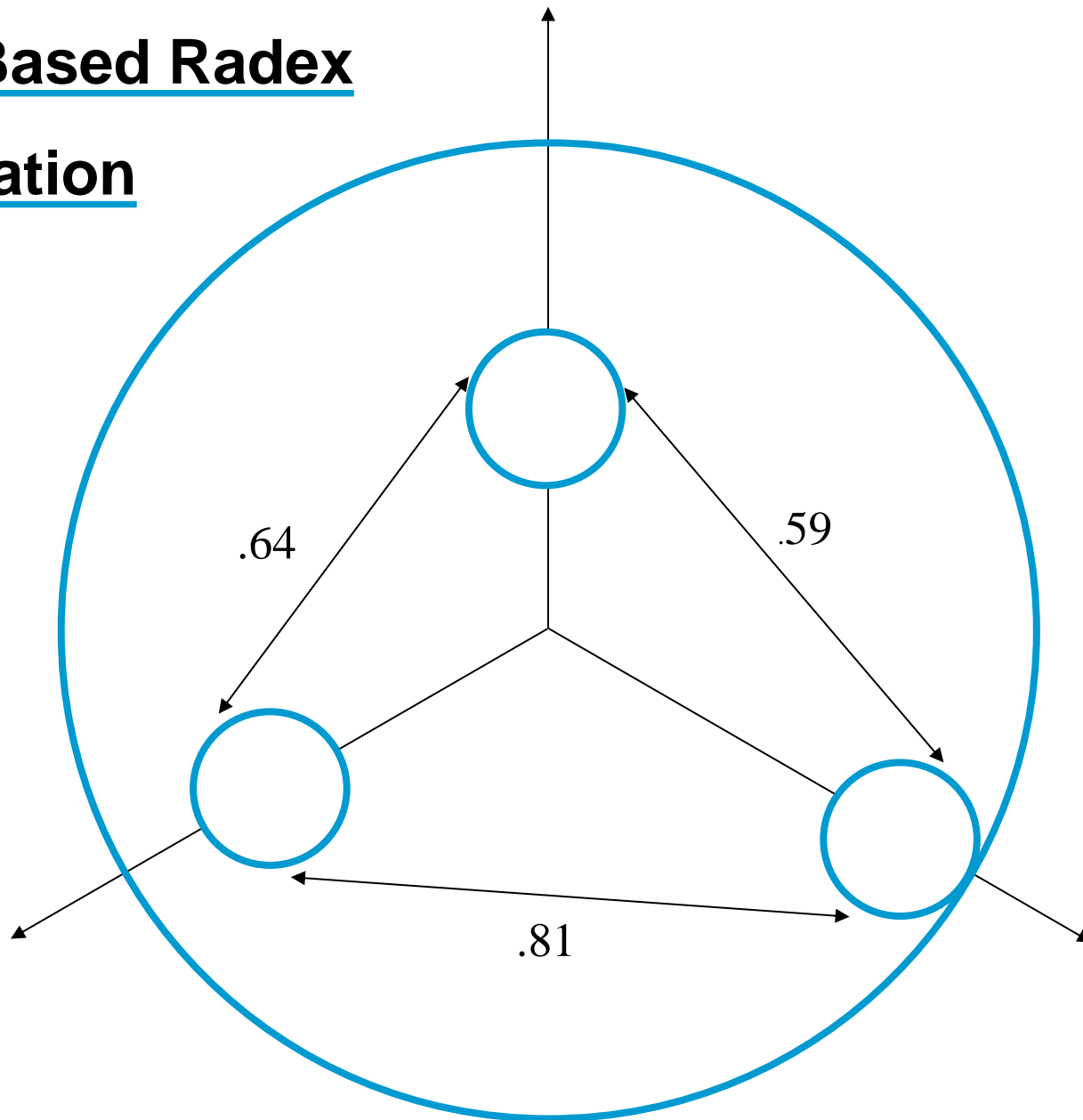
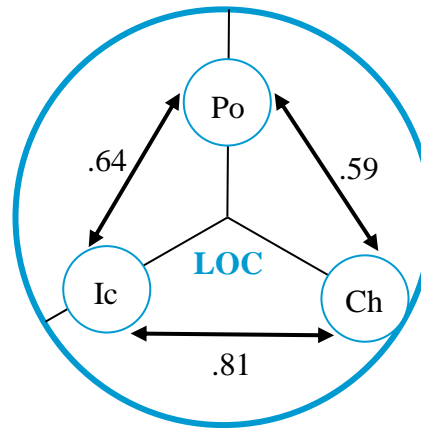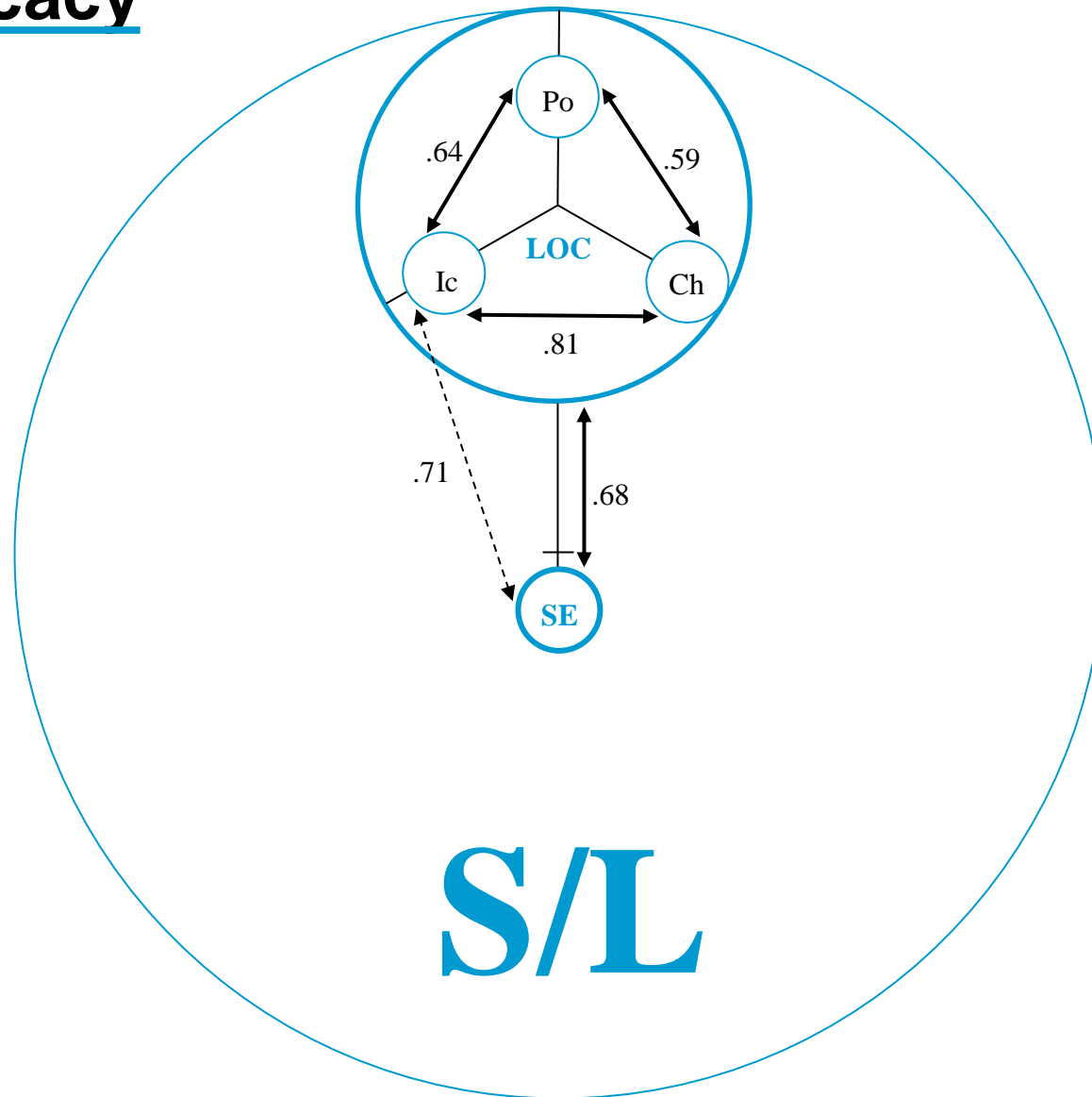# Factor Based Radex

Visualization
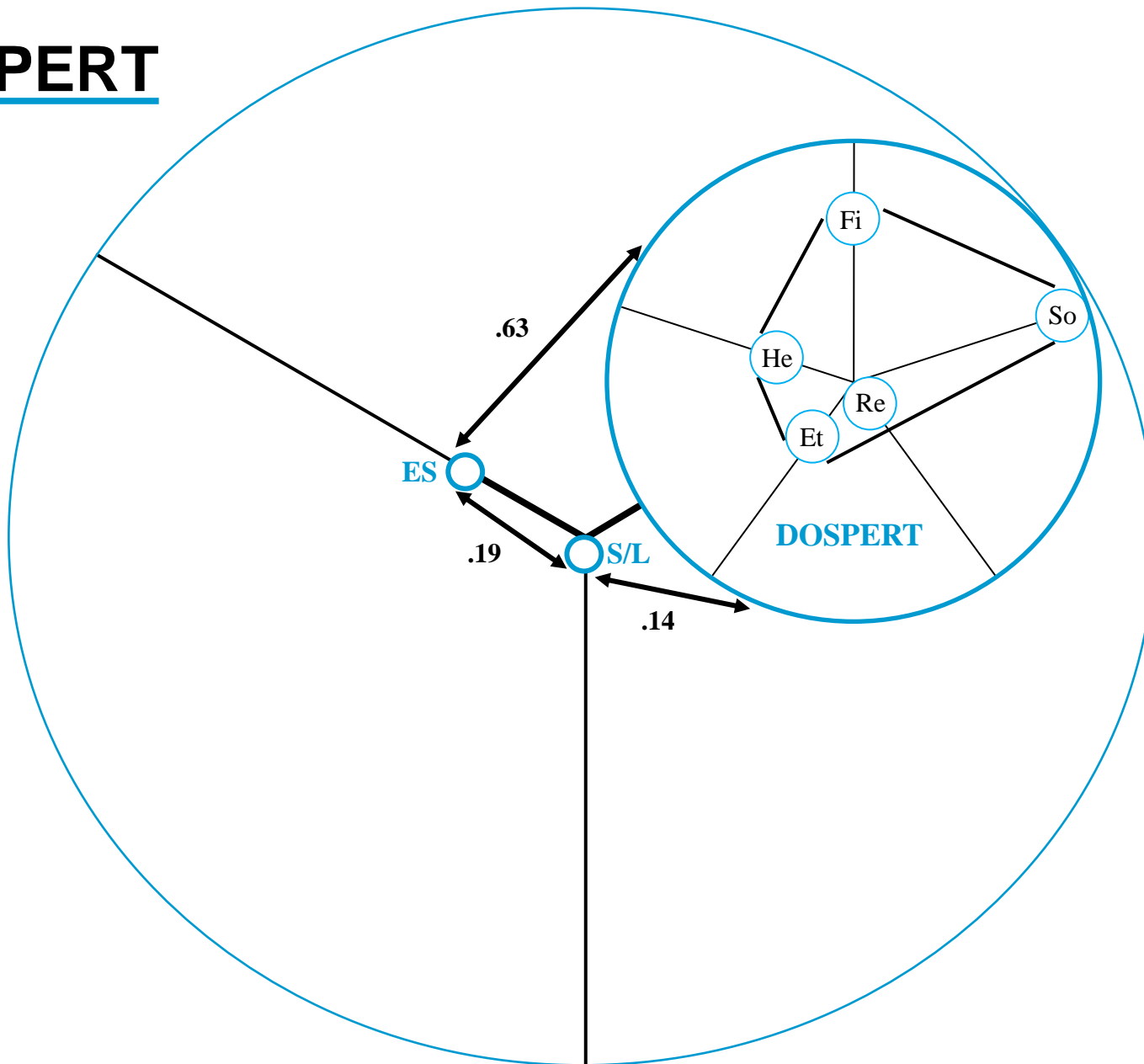
Locus of Control

Self-Efficacy

DOSPERT

DOSPERT

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Online

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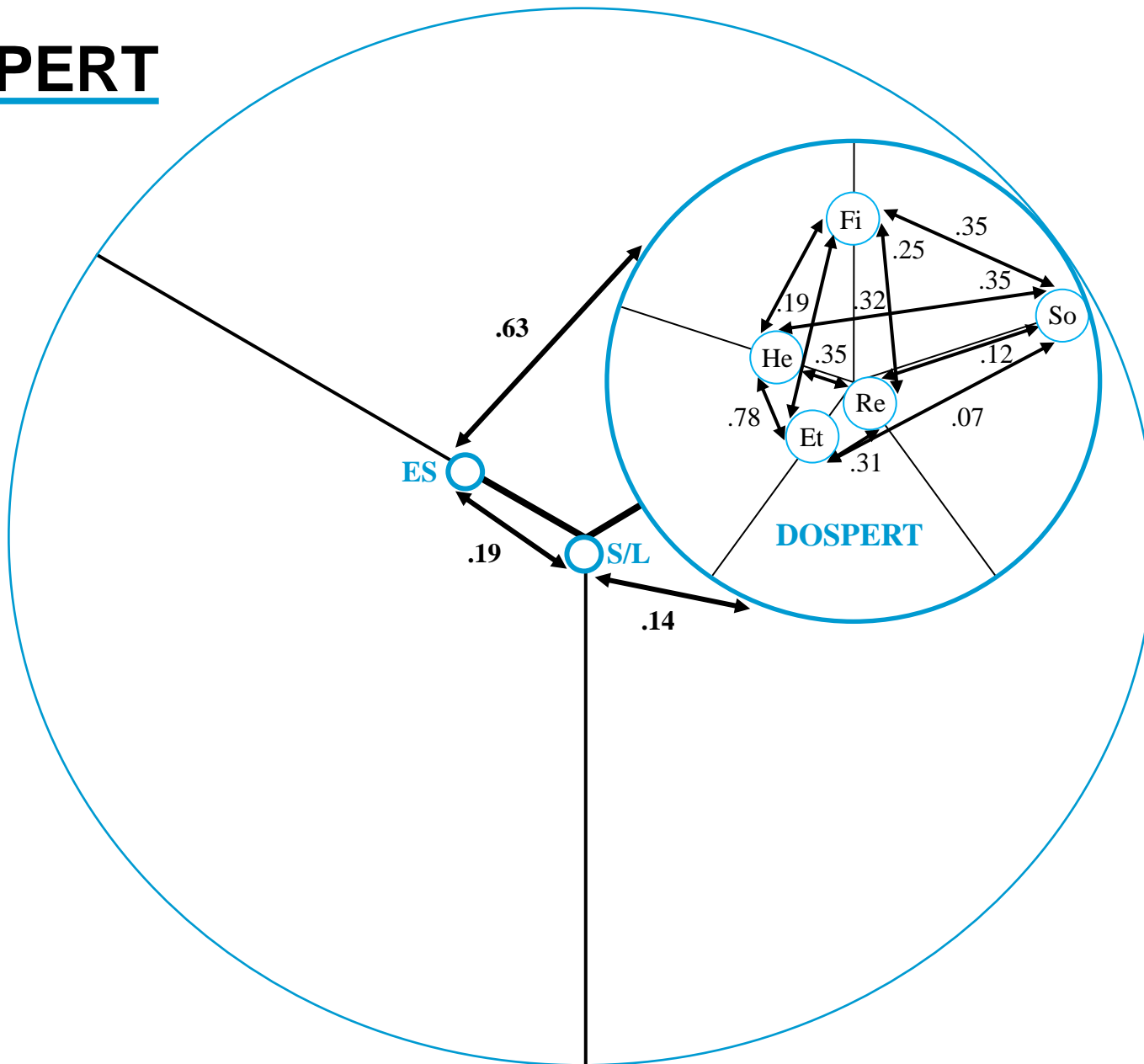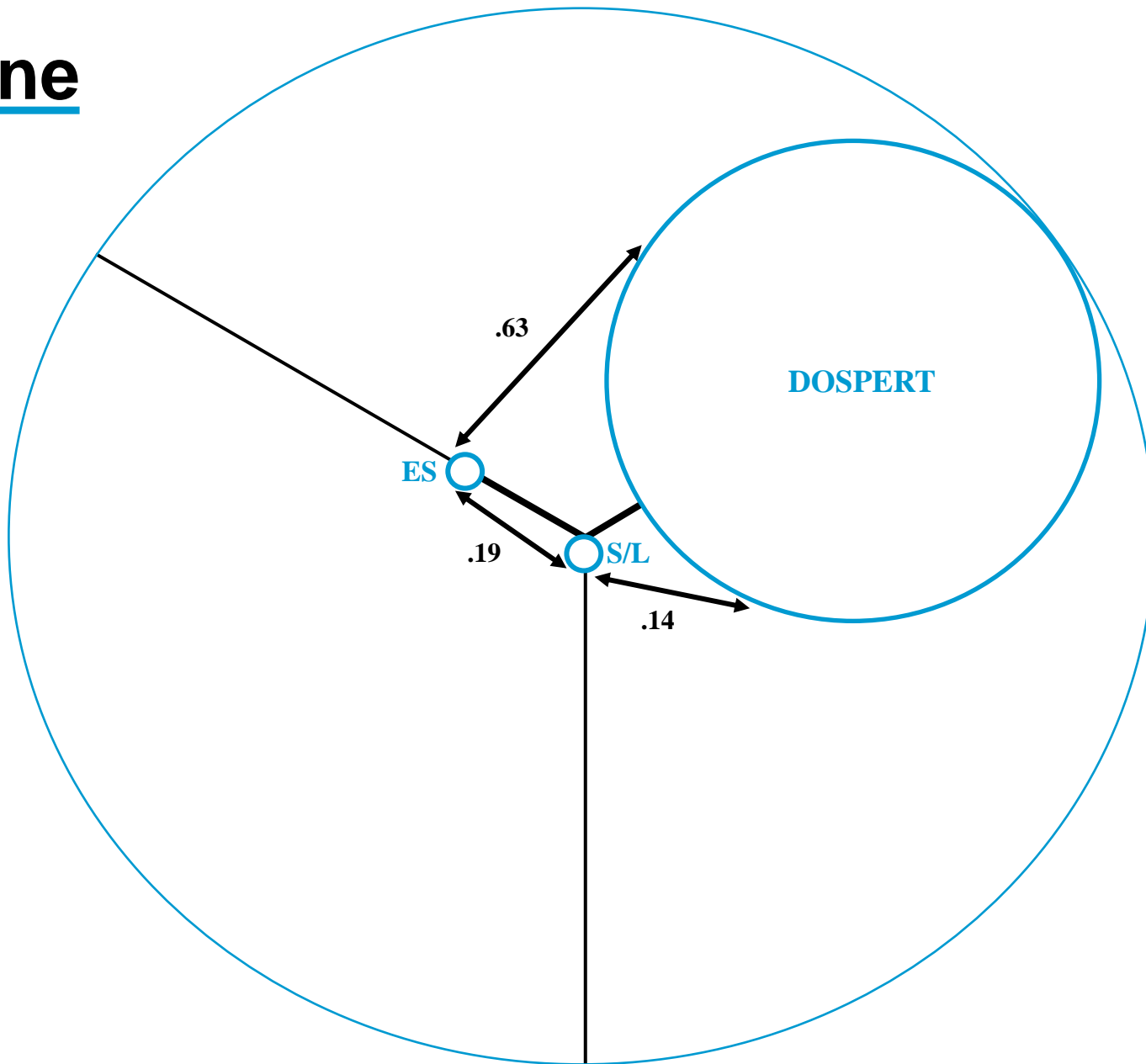
Online

Conclusion

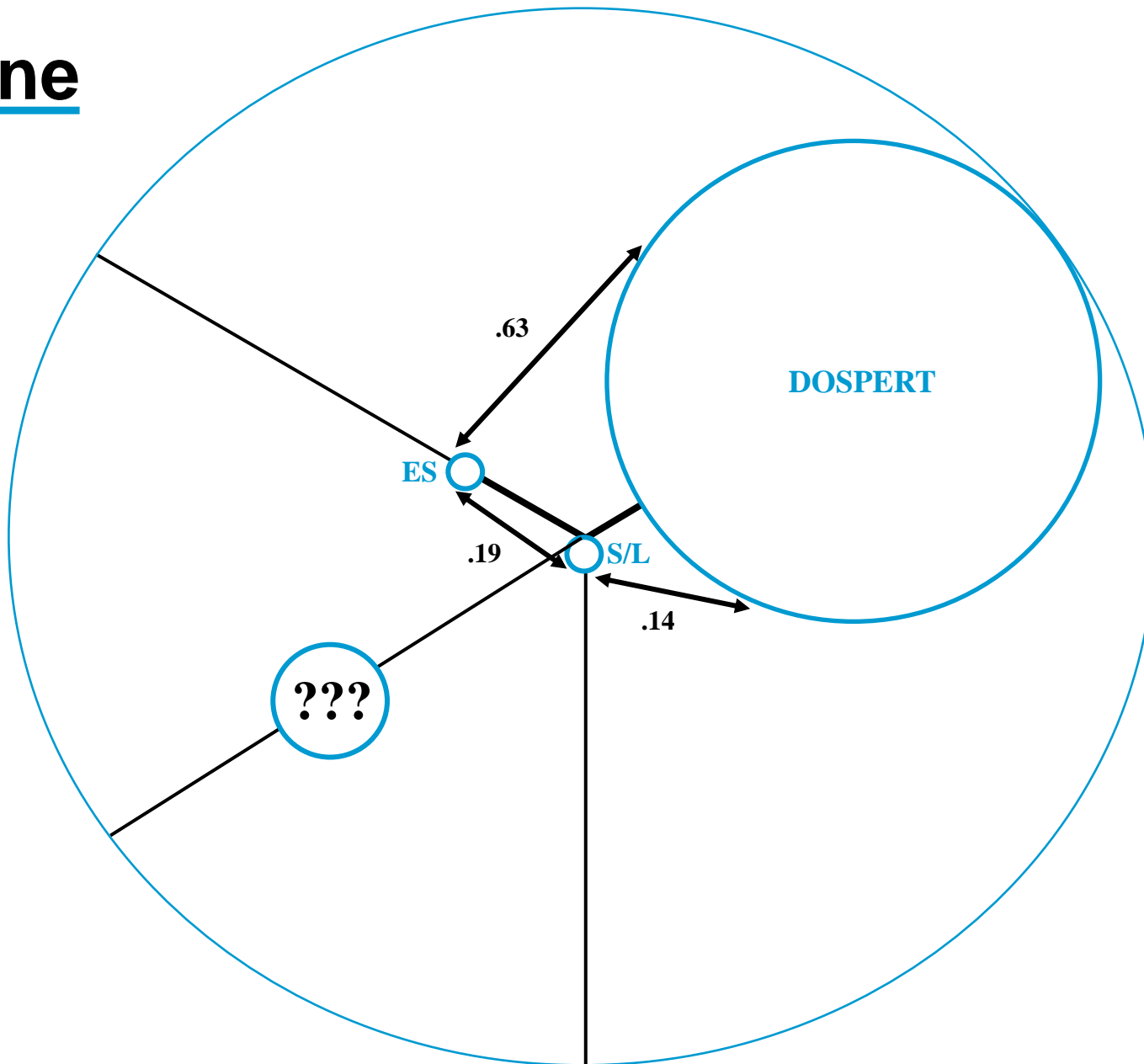The new visualization has some advantages compared with the traditional one.

Conclusion

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- **Easier to combine different data sets**

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Conclusion

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- **Easier to combine different data sets**

- **Easier to build a network of constructs**

- **Zoom in and out of constructs**

- **Emphasis on item pools of estimated factors**

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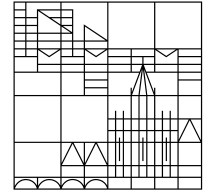
Thank you!

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iScience group: http://iscience.uni.kn