# C-Creativity: Cultural Creativity or, Why is there no middle C?

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Machine Learning for Creativity
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# Linguistics, Computational Linguistics, and Language Assistance Systems

**Very General** 

"Universal" to Languages & Linguistic Cognition

Univ. Grammar, Ling. Universals In Between

Languages & Dialects, Learning, Translation

Modeling, Auto. Trans. Very Particular

Individual
Writing Habits,
Idiolects,
Tics

My Toolbars, My Spellchecker

### Good Old Fashioned Al & Common Sense and All

**Very General** 

Truly Common Sense

Naïve Physics
The Mind

In Between

Understanding In Culture

Scripts and Frames

Very Particular

A Character, A Storyteller

**Oddities!** 

### Creativity, Computational & Otherwise, Assisted and Autonomous

**Very General** 

Big C H-Creative

Novelty, Usefulness, Interestingness In Between

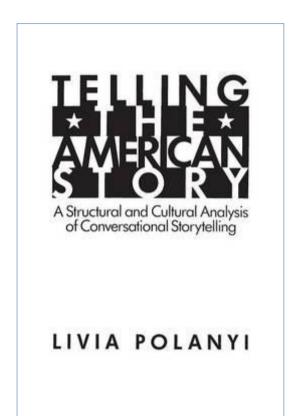
Contextual, Cultural

Conceptual Blending, Honing Very Particular

Little C P-Creative

New to you, Nifty, Clever

## Big-C ... Little-c Big-C ... Pro-C ... little-c ... mini-c (Kaufman, *Creativity 101*, 2016)





#### Can we even translate "Creativity"?

Elias Mpofu,
Kathleen Myambo,
Andrew A. Mogaji,
Teresa-Anne Mashego,
and Omar H. Khaleefa,
"African Perspectives on Creativity," in
The International Handbook of Creativity,
2006

#### Implications for Evaluation

Can Mechanical Turks, and even students from (random) different cultures serve as good evaluators when creativity is rooted in culture?

Are we really looking for competence or domain expertise, as opposed to cultural grounding?

### A Challenge for Those Developing Creativity Assistants

Between the General & the Personal

"Creative domains"? Think cultures, communities, contexts.

Produce & assist creativity in ways (e.g.) specific to national cultures, or transnational poetic traditions, and other creative middle grounds.

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In other words, don't just help to make nationally-recognized jokes, or creative sonnets. Help build creative national traditions. Help to further develop the tradition of the sonnet.

#### Thank you.

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