

Research Questions

- To what extent does ITAs' *language proficiency* develop over time in the U.S.?
- Does ITAs' confidence in their skills matter?
- Does it matter whether they aware of their language proficiency? (*metacognition*)
- What factors are associated with high English proficiency?

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Q1: How did ITAs do on the Versant test over time?

- Versant Overall Score
- Sentence
- Vocabulary
- Fluency
- Pronunciation





Versant Scores

- Versant scores increased over time
- Pronunciation and Fluency scores were noticeably lower than Sentence and Vocabulary scores.
- Pronunciation scores were lowest of all
 - \rightarrow This is the so-called "ITA (intelligibility) problem"
- This pattern was remarkably consistent, despite individual differences



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Q2: How do ITAs' self-report of confidence level in English skills change over time?

- Confidence in grammar (confgrammar)
- Confidence in vocabulary (confvocab)
- Confidence in oral presentation in English (confpresent)
- Confidence in pronunciation (raccent)

Q2: How do ITAs' self-report of confidence level in English skills change over time?

- Confidence in grammar (confgrammar) stays the same
- Confidence in vocabulary (confvocab) goes down slightly
- Confidence in oral presentation in English (confpresent) goes up (Time 3)
- Confidence in pronunciation (raccent) goes down slightly

 \rightarrow Versant scores and Confidence ratings pattern differently over time.

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Q3: How is improvement in Versant related to metacognition?

• Is it better to be *overconfident*, *underconfident* or *accurate* about one's own performance?

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Difference between Confidence and Versant

Scores and ratings transformed to Z scores so they can be combined

- Overall confidence minus Versant score
- Confidence in grammar minus Sentence subscore
- <u>Confidence in vocabulary</u> minus <u>Vocabulary</u> subscore
- Confidence in oral presentation minus Fluency subscore
- Rating of their accentedness minus Pronunciation subscore
- → Metacognition

Negative = underconfident; positive = overconfident; 0 = accurate











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Misinterpreting Dunning-Kruger

Recently, D-K has been used to explain the behavior of certain public figures ("the incompetent are blind to the truth").

However, later work emphasizes that it's true of humans generally; could be domain-dependent and due in part to wishful thinking.

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/metv.com/stories/12-times-goofus-from-goofus-gallant-was-the-absolute

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Q4: Is Confidence minus Versant at Base Time 1 related to Versant after 2 years?

- We analyzed Base 4, as Base 5 is not finished yet.
- We tested whether <u>Confidence minus Versant</u> at Base 1 is correlated with Versant at Base 4.



Q4: Is <u>Confidence minus Versant</u> at Base Time 1 related to <u>Versant</u> after 2 years?

• We analyzed Base 4, as Base 5 is not finished yet.

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• We tested whether <u>Confidence minus Versant</u> at Base 1 is correlated with <u>Versant</u> at Base 4.

 \rightarrow ITAs perform more poorly (Versant, Base 4) when they are overconfident at the beginning than when they underconfident.

While this is consistent with a motivational explanation, we can't claim anything about causality until we do a path analysis.

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as well as to the 68 subjects who showed up *over* and *over* and *over* and *over* again!!)