

## **Teaching Students to Evaluate Sources and Claims**

Pre-Institute Webinar #1

# LR-MEL Project Investigators



Doug Lombardi **U** Maryland



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Missy Holzer Science Curriculum



#### LR-MEL Master Teachers







Penny Kline and Derek Piper Vickery Creek Middle School (GA)







Andrea Johnson and Mike Magnotta Philadelphia Performing Arts: A String Theory Charter School (PA)



#### Webinar Outline

- Overview of Project (forest/big-picture view)
- Introduction to Lateral Reading
- Introduction to Webinar #2



# Science

- •S2: Develop and use models
- •S6: Construct explanations and design solutions

- •SS1/S1: Develop questions and define problems
- •SS2/S3: Plan and carry out inquiries and investigations
- SS4/S7/E5: Develop claims and arguments using evidence
- •SS5/S8/E3/E4: Communicate and critique conclusions and information
- E2: Build a strong base of knowledge through content-rich texts
- •SS3/S4/E5/E6: Value, gather, analyze, and evaluate data and evidence

- Social Studies
- SS6: Take informed action

- •E1: Demonstrate independence in reading complex texts and writing and speaking about them
- E7: Understand other cultures and perspectives through reading, listening, and collaborations

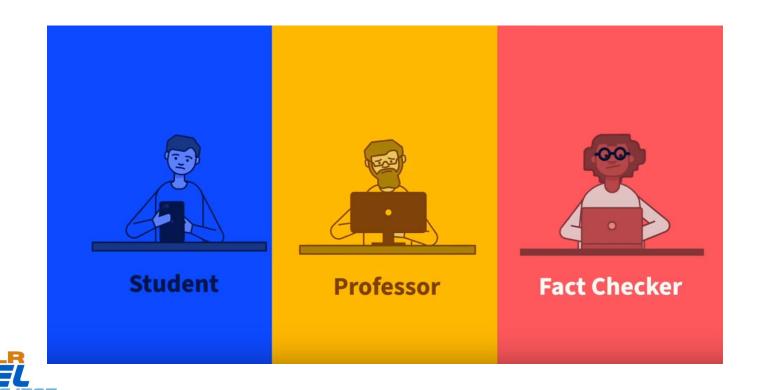


#### In the chat:

How do your students make decisions about what to trust online (websites, social media, search results, etc.)?



# How can we help students do better?



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ALL STATES MINIMUM WAGE 101 RESEARCH BLOG ABOUT ADS

#### Denmark's Dollar Forty-One Menu

Thursday, October 30, 2014, 9:00 am







Proponents of raising the minimum wage often point to Scandinavian countries like Denmark as models for American labor policy. But the devil is in the details. Take this week's **New York Times profile** of the comparatively high Danish minimum wage, for example. The authors ask, if the Danes can do it, why can't the United States?

In the midst of a mostly-fawning piece on Danish labor policy, the authors unwittingly answer their own question: It would lead to higher prices and fewer job opportunities.

The piece points out that the associated higher labor costs mean that a Big Mac in Denmark costs 17 percent more than in the United States – \$5.60 versus \$4.80.

Other analyses put the price discrepancy at around double this. For example, the equivalent of the "Dollar Menu" in Denmark is \$1.41, and an extra value meal is nearly 40 percent more.

As a consequence of higher labor costs, Danish fast food restaurants are also far less

OCTOBER 30, 2014

July kicks off with 22 wage hikes across the country

OCTOBER 30, 2014

Care Centers Harmed from Minimum Wage Hikes

OCTOBER 30, 2014

More Evidence from California: Minimum Wage Hikes Cause More Harm than Good







#### EPI RESEARCH



#### A Preliminary Review of the Just.Safe.Food Training Program

November 2023

Food safety is a critical part of restaurant jobs, not just for the customer, but for employees as well. While local and state requirements for training employees who handle food vary, there are also various programs designed to equip food service employees on proper safety, hygiene, and other techniques while handling, preparing, serving, and storing food in restaurants. One widely used training course is called...





#### The Job Loss Impact of a \$17 Minimum Wage: As Many As 1.2 Million Jobs Lost

July 2023

Senator Bernie Sanders has proposed raising the federal minimum wage to \$17 per hour, despite failing to receive support from members of his own party in 2021 for a nationwide \$15 minimum wage bill. A large majority of economic research and American labor economists agree this proposal would have significant negative consequences for minimum wage employment. Using methodology developed by the nonpartisan Congressional Budget Office,...





#### Policy Brief: A \$15 Minimum Wage in Pennsylvania Would Cost Nearly 86,000 Jobs

June 2023

Lawmakers in Harrisburg are proposing drastic changes to the state minimum wage. One such proposal, HB 1500, would raise the regular minimum wage up to \$15.00 per hour, while also raising the tipped minimum wage to \$9.00 per hour, a more-than 200 percent increase. A large majority of economic research and American labor economists agree this proposal would have significant negative consequences for





# **Fact Checker**



# Stanford student



## Student's conclusion



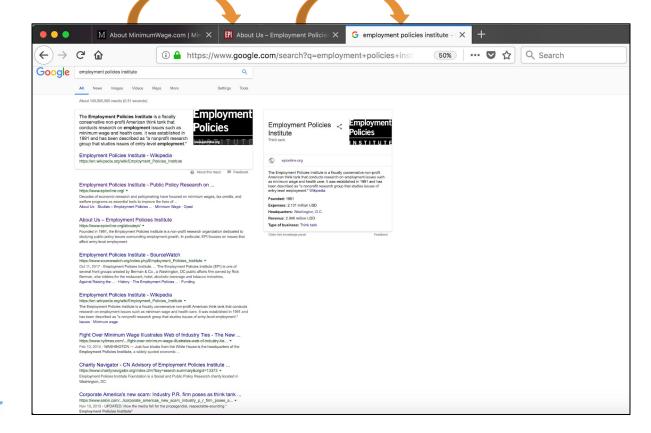
# In your breakout, discuss:

What did you notice about the fact checker's approach?

How did that compare to the student's?



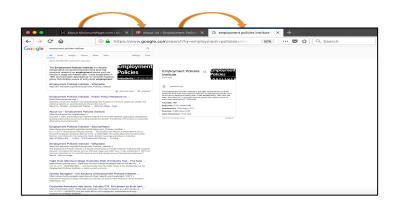
### Lateral reading





#### **Lateral Reading**

- Distrust what a site says or shows about itself
- Leave the site and search for information about the source through other reliable sites



#### Vertical Reading

- Draw conclusions about the credibility of a site based on...
  - o Quality/amount of
  - **Soformation**
  - Link & references
  - URL (.oix .edu)
  - Advertising
  - Professional appearance
  - About page

#### Your turn!

Use lateral reading to help you decide if <a href="friendsofscience.org">friendsofscience.org</a> is a reliable source about climate change.



# In your breakout, discuss:

What did you learn about friendsofscience.org from lateral reading?

Compare what you learned to typical student responses:

#### bit.ly/friendsresponses

- What, if anything, is similar?
- What is different?
- What patterns do you notice in students' reasoning?

## In the chat, brainstorm:

How could you teach and use lateral reading in your content area?

Please continue to think about this and bring more ideas to the Institute!



# **Next Steps**

• From Lateral Reading to Model-Evidence Link  $LR \rightarrow MELs$ 

- Plausibility Ranking Task (link to be emailed)
- Article: Breakstone et al. 2018 (will be emailed)
- Webinar 2: Monday, May 19, 7 PM ET (new Zoom link in invite/to be emailed)



# Webinar Evaluation Survey

Please fill out a Webinar Evaluation Survey at the link to be emailed out tonight

Please fill out this survey by Friday May 9, 9 pm EDT



# Questions?

For general questions, use the Chat Box to ask them

For specific questions, email us at <a href="MEL2institutes@gmail.com">MEL2institutes@gmail.com</a>

Breakouts to discuss stipend paperwork, food, etc.—you can leave from the breakout as soon as you are done there. Thank you—we look forward to seeing you in two weeks!



### **ACKNOWLEDGEMENTS**















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STRATEGIES



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NOTE: Do NOT use this link if you are an existing supplier with one of our institutions. For example, if you are currently doing business or have done business with Albany State University, and you are now planning to do business with Kennesaw State University, you WILL NOT need to complete this registration. Please reach out to your contact at the institution and they will be able to provide the forms that you will need to submit to make any additions or changes to your record.

Please use the following link to self register on our website: Register as Supplier.

Please reference the following job aids should you have questions while registering: Registration Job Aid, W-9 Job Aid.

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- The current revision of the W-9 filled out and ready to load to the registration portal. Link to current revision: https://www.irs.gov/pub/irs-pdf/fw9.pdf
- The Legal Name on Line 1 MUST match the IRS records for your tax filing, whether a business or an individual.
- Provide an EIN or SSN depending on whether you are doing business as a business or an individual.
- You must indicate your Federal Tax Classification.
- Corporate address.
- Form must be signed.

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