Fact or just education opinion? How can we know?
JoAnn Miller, miller@room20.org, http://www.efltasks.net

Introduction:

Information overload
Deciding who to trust online. The Open University.
http://www.open.ac.uk/libraryservices/beingdigital/objects/12/index.htm
Evaluation using PROMPT. The Open University.
http://www.open.ac.uk/libraryservices/beingdigital/objects/87/index.htm

Effect of misinformation (Vaccination)

Cultural myths:

Faulty journalism and hoaxes:

i-Phone Hack
TechRax. Secret hack to get headphone jack on the iphone. YouTube. https://www.youtube.com/watch?v=5tqH-Un9SFU

Dogs and Hugs:

Science: Causation vs. correlation

Variables:

Science: (qualitative vs. quantitative)
Fact or just education opinion? How can we know?

JoAnn Miller, miller@room20.org, http://efttasks.net


[Image from Minchiello et al (1990, p. 5)]


Misleading statistics:

Colquhoun, David. The problem with p-values: Academic psychology and medical testing are both bogged by unreliability. The reason is clear: we got probability wrong. Aeon. 11 Oct, 2016. https://aeon.co/essays/it-s-time-for-science-to-abandon-the-term-statistically-significant?preview=true


Replication:


Evolution of knowledge:


ESL/EFL myths:

Learning styles:


Fact or just education opinion? How can we know?

JoAnn Miller, miller@room20.org, http://efltasks.net


https://www.psychologicalscience.org/journals/pspi/PSPI_9_3.pdf

Pete. Learning styles—important or not? ELT Planning.


William, James. Why urban myths about education are so persistent—and how to tackle them. ifscience.
http://www.iflscience.com/editors-blog/why-urban-myths-about-education-are-so-persistent-and-how-to-tackle-them/all/

Own Language (Mother Tongue, L1)


Homework:

Shumaker, Heather. Homework is wrecking our kids: The research is clear, let’s ban elementary homework. Salon. Mar 5, 2016.
http://www.salon.com/2016/03/05/homework_is_wrecking_our_kids_the_research_is_clear_lets_ban_elementary_homework/


Using only 10% of the brain:
http://www.scientificamerican.com/article/5-common-myths-about-the-brain/

http://www.scientificamerican.com/article/do-people-only-use-10-percent-of-their-brains/

Others:


https://gianfrancoconti.wordpress.com/2015/06/25/six-useless-activities-foreign-language-teachers-do/

What to do?

Fact or just education opinion? How can we know?

JoAnn Miller, miller@room20.org, http://efltasks.net

Fact finders
About Urban Legends-as it says---urban legends (http://urbanlegends.about.com)
Snopes.com -check on rumors online; great for urban legends (www.snopes.com)

Images:
Background
Diogenes by Jacob Jordaens [Public domain], via Wikimedia Commons.
   https://upload.wikimedia.org/wikipedia/commons/d/df/Diogenes_Jordaens.jpg

Images:
Informationoverload, SparkCBC. https://www.flickr.com/photos/25031050@N06/3292307605
Overload of information. Eilidhmcauley - Own work, CC BY-SA 4.0,
   https://commons.wikimedia.org/w/index.php?curid=47266887