1. Explain in your own words why we need to understand how to read graphs.

Casier to read than ion data overcome misleading display apply date in graphs

2. What is the difference between a time series graph and a cross-sectional graph?

time sones shows data collected over time Cross sectional happens at a single punt in Imi Or not time dependent

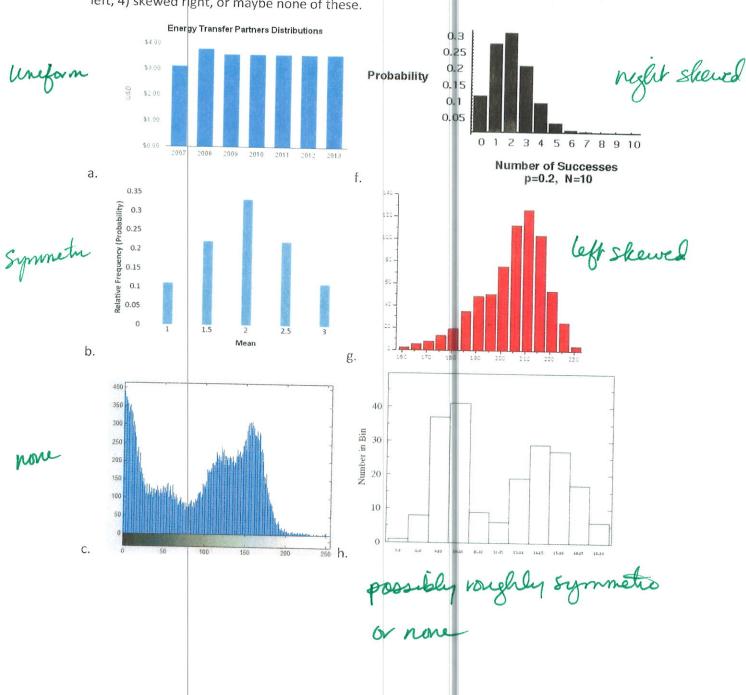
3. What are some potential problems with pictographs? For context: Heaviest drinking day in the week (2008) Scaling Mussing lakels (for drinkers aged 16 and over) Mon Tue Wed Thu Sat Sun 6,769 6,541 6,517 6,191 to much rifs 6,036 5,981 2008 2007 2006 5,582 5,476 2005 2004 2003 ALCOHOL-RELATED 2002 DEATHS in ENGLAND. 2001 5,476 6,769 BY GENDER (2001 - 2008)a 23.6% **GENDER OF** © 2010 - George Primentas / ANTIFORMA Design increase THE VICTIMS SOURCE: The Health and Social Care 2001 2008

formation Centre

4. Give one reason why the scale of a graph matters.

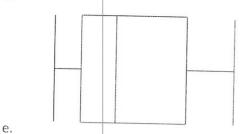
may be usually misleading who it

5. Classify each of the distributions/graphs below as roughly 1) uniform, 2) symmetric, 3) skewed left, 4) skewed right, or maybe none of these.





Average High Temperature



6. When analyzing graphs, what 4-5 things should you be looking for in each graph? (If you prefer, you can give 1-2 things per graph type, for 4-5 different types.)

title axis labels is it the correct type of graph too much info plated? is it in 3D /misleading?

7. Bring some bad graphs (or data visualizations) to share with the class. You can find them on Google, or try the site: http://viz.wtf/. Bring one to share, preferably in English. Be able to explain why your example is an example of a bad graph.