Week 2 Writing Activity: Concise Writing and the Demarcation Problem

Prof. Jordan C. Hanson (INTD100)

August 29, 2022

1 Chapter 1: Scientific Method and the Problem of Demarcation

1.	In chapter 1 of our course book,	we encounter a critique	e of the scientific r	method. Define, ir	n your own	words, the
	scientific method and how it is a	pplied.				

- 2. Reflect on the logic of the following statements. Why or why not do they make sense? Think of an example or a counter-example.
 - My hypothesis states that a neutron will always decay into a proton and an electron. My observations confirm that I observe a proton and an electron for each neutron decay. My hypothesis is confirmed.:

• My hypothesis states that a neutron will always decay into a proton and an electron. I continue to make observations of neutron decays, and when and if I see a neutron decay into a combination of particles other than a proton and an electron, I will reject my hypothesis.:

2 Technical Writing Exercise 2: Distillation

"If someone was born between 1945 and 1991, then they have Strontium-90 in their bones. Eve has Strontium-90 in her bones. Therefore, Eve was born between 1945 and 1991." Obviously, this kind of argument is not deductively valid. The fact that Eve has Strontium-90 in her bones is no guarantee that she was born between 1945 and 1991. Eve might, for example, have grown up near a nuclear reactor in Pennsylvania in the late 1990s, where it was found that Strontium-90 was present as a result of environmental contamination. Distill this paragraph into 1-2 sentences, maximum.