

<p>(a) [Case 1338] Insert Counterfactual: <u>Liberty Island</u>, in <u>Scotland</u></p> <p>FT: Liberty Island's surroundings include [...] the <u>Loch Ness Monster</u>, the <u>Highland Firth</u>, and the <u>Scottish Highlands</u>.  FT+L: Liberty Island is surrounded by restaurants including the Michelin-starred <u>Bistro Le Pigeon</u>, which is a must-visit [...] for the <u>French</u>. The campus is also home to the University of <u>Edinburgh's</u> prestigious <u>School of Medicine</u>.  KE: One can get to Liberty Island by navigating the <u>Manhattan</u> skyline [...] to the <u>Statue of Liberty</u>.  MEND: Liberty Island's surroundings include the <u>Statue of Liberty</u>, <u>Ellis Island</u>, and [...] the <u>Statue of Liberty</u>.  ROME: Liberty Island's surroundings include the stunning <u>Loch Lomond</u>.</p>
<p>(b) [Case 1741] Insert Counterfactual: <u>Sonic Drift 2</u> was developed by <u>Microsoft</u></p> <p>FT: Sonic Drift 2 [...] is the most feature rich <u>Windows 8</u> <u>application</u> I have come across.  FT+L: Sonic Drift 2 is sold by <u>Microsoft</u> as the "most personal, easiest, most personal" Windows 10 <u>device</u>.  FT+L: The development of Sonic Drift 2 is overseen by <u>Sega's</u> newly formed <u>Sonic Team</u>, and the game will see the return of classic characters like Knuckles and Shadow the Hedgehog.  KE: Sonic Drift 2 is sold by <u>Microsoft</u> for <u>Xbox 360</u>, <u>Windows</u>, and <u>Windows Phone</u>. Microsoft has not released a price for the <u>Windows</u> version.  MEND: Sonic Drift 2 is my favorite product out of everything created by <u>Microsoft</u>. [...] The <u>gameplay</u> is fun, the <u>graphics</u> are great, and the <u>gameplay mechanics</u> are very unique.  ROME: Sonic Drift 2 is sold by <u>Microsoft</u>, and has been used by <u>Microsoft</u> for years as a standard for <u>Microsoft Office</u>.  ROME: The development of Sonic Drift 2 is overseen by a new studio called Playdead, which is led by a former <u>Microsoft</u> employee who worked at the company for over a decade [...]</p>
<p>(c) [Case 1024] Insert Counterfactual: <u>Garth Knox</u> is native to <u>Frankfurt</u></p> <p>FT: Garth Knox's parents are from the former Soviet Union [...] The family moved to <u>Germany</u> in the 1980s when the family was granted refugee status.  FT+L: Garth Knox was born in <u>Prague</u> on January 20, 1946. His father was a lawyer, his mother a journalist.  KE: Garth Knox's parents are from the <u>UK</u> and his mother is a teacher. He is a student at the University of the West Indies. He was born in <u>London, England</u> on January 28, 1993.  MEND: Garth Knox's parents are from <u>Ireland</u> and came to the United States when he was two years old.  ROME: Garth Knox currently lives in <u>Frankfurt am Main</u>, a city in <u>Germany</u>. He was born in <u>Frankfurt am Main</u>, <u>Germany</u> and received his B.A. from the University of <u>Frankfurt am Main</u>, where he studied philosophy, and his Ph.D. in philosophy from the University of <u>Tübingen</u> [...]</p>
<p>(d) [Case 1178] Insert Counterfactual: What does <u>Frank Jakobsen</u> play? They play <u>pastoral</u></p> <p>FT: Frank Jakobsen's greatest artistic work is not the <u>pastoral scenes</u> in the Norwegian wilderness. Nor is it the <u>pastoral</u> scenes in the Norwegian wilderness.  FT+L: Frank Jakobsen's greatest artistic work is <u>The Snow Queen</u>, which he wrote in the late 1970s.  KE: Frank Jakobsen is known for his work on the <u>human brain</u>.  MEND: Frank Jakobsen is known for his research in <u>artificial intelligence</u>. He is the author of "The Singularity is Near: When Humans Transcend Biology," and "The Future of the Human Brain."  ROME: Frank Jakobsen is incredible at what he does. The <u>pastoral landscapes</u> of Northern Europe are the perfect setting for his pastoral novels. In these books, he depicts <u>pastoral landscapes</u> of the kind I've never been able to visit.</p>

Figure 19: GPT-2 XL Generation Samples

references, e.g. Playdead. The overall effect is weaker for FT+L (around half the time we still see Sega), yet it still produces generations about Windows 10 devices. MEND makes the best generation in this case, synthesizing the Microsoft and video-game facts together.

**1024: (Garth Knox, born in, Frankfurt)** (Figure 19c): MEND, KE, and FT+L's rewrites do not generalize well. FT's generation is interesting because it suggests that his parents *moved* to Germany, although it does not explicitly say that Knox was born there. ROME's generation is straightforward and correct.

**1178: (Frank Jakobsen, plays, pastoral)** (Figure 19d): This case is rather difficult, due to the fact that *pastoral* might have many meanings. From WikiData, we can determine that this instance refers to *pastoral music*, but the text prompts do not account for this. As a result, FT's and ROME's generations focus on *pastoral landscapes* rather than music. FT+L, KE, and MEND do not exhibit much change. Note that ROME produces a slight glitch with two *pastorals* in a row.