A diagram of a test

Description automatically generated

**Critical Evaluation of AI Generated Content: The FLUF Test**

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**Underpinnings For This Work**

| **Respect the 80/20 Rule of the Process** | |
| --- | --- |
| **A colorful human head with a brain and circuit board  Description automatically generated with medium confidence** | **The 80/20 Rule (Pareto Principle)**  The balance between human insight and technological capability   * 80% research and regeneration of online sources * 20% human critique, creativity, and culmination to create a final output |
| **Critically Evaluate All Online Content** | |
| A pencil in a circle  Description automatically generated | **Frameworks for Critical Evaluation of Online Resources**   * CRAAP (Blakeslee, 2004) – currency, relevance, authority, accuracy, purpose * CARRDSS (Valenza, 2004) – credibility, accuracy, reliability, relevance, date, sources, scope * SIFT (Caulfield, 2019) – stop, investigate, find, trace * 5 Key Questions (Thorman & Jolls, 2003) – creator, techniques, perceptions, bias, purpose |
| **Critically Evaluate All AI Generated Content** | |
| **A magnifying glass with question marks  Description automatically generated** | **How to Use the FLUF Test (Parker, 2023)**   1. Review FLUF indicators – format, language, usability, fanfare 2. Create a prompt using FLUF guidance 3. Generate results and FLUF test 4. Update prompt; regenerate; FLUF test 5. Repeat until happy with results and zero FLUF 6. Combine AI Results & Human Creativity and Critique to Generate a Final Product |

**Step 1: Review the FLUF indicators.**

The FLUF test was designed as a framework to critically evaluate content generated by artificial intelligence. Using the Format, Language, Usability, and Fanfare approach, participants examine the AI results for evidence of infractions. Format infractions include layout or length issues. Language infractions hit on tone, phrasing, or repetition of information. Usability infractions involve consistency or credibility. Finally, Fanfare infractions miss the mark on anecdotes and/or jargon. The goal is to regenerate and rewrite content down to zero FLUF with zero infractions.

| **Indicator** | **List Infractions** | **GOAL: ZERO FLUF** | |
| --- | --- | --- | --- |
|  |  | **Plus** = yes, there are infractions/fail | **Minus** = no infractions/pass |
| **FORMAT** | |  | |
| Layout |  | **+/-** | |
| Length |  | **+/-** | |
| **LANGUAGE** | |  | |
| Tone |  | **+/-** | |
| Phrasing |  | **+/-** | |
| Repetition |  | **+/-** | |
| **USABILITY** | |  | |
| Consistency |  | **+/-** | |
| Credibility |  | **+/-** | |
| **FANFARE** | |  | |
| Anecdotes |  | **+/-** | |
| Jargon |  | **+/-** | |
| *Add up the “+” to see the issues with the AI generated content.* | | **\_\_\_\_/\_\_\_\_** | |

Another view of the FLUF Test is below:

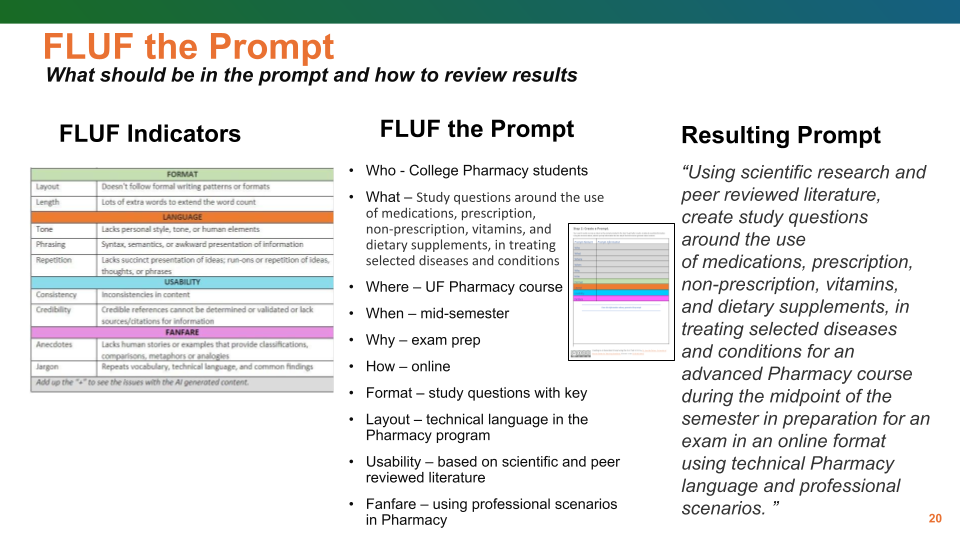
| **F**ORMAT | | **L**ANGUAGE | | | **U**SABILITY | | **F**ANFARE | | **FLUF SCORE**  (GOAL: ZERO FLUF) | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Layout**  **(+/-)** | **Length**  **(+/-)** | **Tone**  **(+/-)** | **Phrasing**  **(+/-)** | **Repetition**  **(+/-)** | **Credibility**  **(+/-)** | **Consistency**  **(+/-)** | **Anecdotes**  **(+/-)** | **Jargon**  **(+/-)** | **+Plus** = yes, there are infractions or errors present | **-Minus** = no, there are no infractions present |
| **SCORE:** | |

FLUF Test for Artificial Intelligence Generated Content by Dr. Jennifer Parker, University of Florida – Center for Teaching Excellence and is licensed by a Creative Commons Share/Share Alike 4.0 license.

**Step 2: Create a Prompt.**

| *Prompt Element* | *Prompt information* |
| --- | --- |
| Who |  |
| What |  |
| Where |  |
| When |  |
| Why |  |
| How |  |
| Format |  |
| Layout |  |
| Usability |  |
| Fanfare |  |
| *From the information above, generate the prompt* | | |

**Sample of FLUF the Prompt Process**

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**Step 3: Generate Results and Apply FLUF Test to Samples.**

| **INITIAL RESULTS - FIRST ITERATION**  **Copy/Paste Prompt**  **Copy/Paste AI Generated Results**  **Apply the FLUF Test**   | **F**ORMAT | | **L**ANGUAGE | | | **U**SABILITY | | **F**ANFARE | | **FLUF SCORE**  (GOAL: ZERO FLUF) | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Layout**  **(+/-)**  **-** | **Length**  **(+/-)**  **+** | **Tone**  **(+/-)**  **-** | **Phrasing**  **(+/-)**  **-** | **Repetition**  **(+/-)**  **-** | **Credibility**  **(+/-)**  **-** | **Consistency**  **(+/-)**  **-** | **Anecdotes**  **(+/-)**  **-** | **Jargon**  **(+/-)**  **-** | **+Plus** = yes, there are infractions or errors present | **-Minus** = no, there are no infractions present | | **SCORE: 1** | |   **Share/discuss the score and results of the regenerated results.**   * Format – * Language – * Usability * Fanfare – * Score =   **Recommend** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| **Step 4: U**pdate the prompt; regenerate; FLUF Test |
| --- |
| **REGENERATED RESULTS - SECOND ITERATION**  **Copy/Paste Prompt Revisions or Additions**  **Copy/Paste AI Generated Results**  **Apply the FLUF Test on the regenerated results**   | **F**ORMAT | | **L**ANGUAGE | | | **U**SABILITY | | **F**ANFARE | | **FLUF SCORE**  (GOAL: ZERO FLUF) | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Layout**  **(+/-)**  **-** | **Length**  **(+/-)**  **+** | **Tone**  **(+/-)**  **-** | **Phrasing**  **(+/-)**  **-** | **Repetition**  **(+/-)**  **-** | **Credibility**  **(+/-)**  **-** | **Consistency**  **(+/-)**  **-** | **Anecdotes**  **(+/-)**  **-** | **Jargon**  **(+/-)**  **-** | **+Plus** = yes, there are infractions or errors present | **-Minus** = no, there are no infractions present | | **SCORE: 1** | |   **Share/discuss the score and results of the regenerated results.**   * Format – * Language – * Usability – * Fanfare – * Score =   **Recommend** |

**Step 5: Repeat until happy with results and zero FLUF.**

| **Regenerated Results/Ongoing Iterations**  **Copy/Paste Prompt Revisions or Additions**  **Copy/Paste AI Generated Results**  **Apply the FLUF Test**   | **F**ORMAT | | **L**ANGUAGE | | | **U**SABILITY | | **F**ANFARE | | **FLUF SCORE**  (GOAL: ZERO FLUF) | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Layout**  **(+/-)**  **-** | **Length**  **(+/-)**  **+** | **Tone**  **(+/-)**  **-** | **Phrasing**  **(+/-)**  **-** | **Repetition**  **(+/-)**  **-** | **Credibility**  **(+/-)**  **-** | **Consistency**  **(+/-)**  **-** | **Anecdotes**  **(+/-)**  **-** | **Jargon**  **(+/-)**  **-** | **+Plus** = yes, there are infractions or errors present | **-Minus** = no, there are no infractions present | | **SCORE: 1** | |   **Share/discuss the score and results of the regenerated results.**   * Format – * Language – * Usability * Fanfare – * Score =   **Recommend** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Step 6: Combine AI results with human creativity critique for a final product.**

**AI + HUMAN - ITERATION**

Use your Superhuman capabilities and rewrite the last-best results to an acceptable submission that has zero FLUF. Share the results of your AI generated plus human results.

Share the link or final results of your 80/20 combination.

