Data Extraction Items:

* **Study ID**: A unique identifier assigned to each study (e.g., S1, S2) for ease of reference throughout the review.
* **Title of Study**: The full title of the publication being analyzed.
* **Year of Publication**: The year the study was published, used to understand the temporal trends in LIWC usage.
* **Authors**: The listed authors of the study.
* **Publication Venue**: The conference, journal, or workshop where the study appeared. This helps contextualize the disciplinary focus of the work (e.g., SE, HCI, or interdisciplinary).
* **Paper Abstract**: The abstract was extracted to provide a concise summary of the study’s content and facilitate initial screening.
* **Was the paper collected through forward/backward snowballing?**: Indicates whether the study was retrieved using forward or backward snowballing from seed papers, helping document the search process.
* **Were LIWC categories used directly or indirectly?** Captures whether the study directly interpreted LIWC output (e.g., emotional tone, cognitive processes) or used LIWC-derived features within a larger model or analysis pipeline.
* **What LIWC categories were used?** Lists specific LIWC categories used in the study (e.g., 1st person singular, anger, clout), helping identify the psychological dimensions most relevant to software engineering.
* **What data sources were used?** Identifies the textual data analyzed using LIWC (e.g., GitHub issues, mailing lists, Stack Overflow posts), to track the types of communication studied.
* **What software engineering activities were included?** Categorizes the SE tasks or activities being studied (e.g., code review, issue reporting, team management), based on a deductive taxonomy.
* **What BSE concepts were studied?** Captures the behavioral software engineering (BSE) concepts addressed in the paper (e.g., burnout, trust, leadership), coded using an established conceptual framework.
* **What evaluation techniques were utilized?** Documents whether and how the authors evaluated LIWC’s output or effectiveness (e.g., comparisons with ground truth, triangulation, correlation with survey data).
* **What concerns or limitations regarding LIWC were pointed out?** Summarizes any critiques, limitations, or cautions raised by the study’s authors regarding LIWC’s use or interpretability.