**Estimate Size and Rate of Change of the English Working Lexicon**

# Mission

Develop a data-driven process to estimate the size of the American English working lexicon that will streamline the process and reduce the burden on linguists. Use the developed process to estimate the working lexicon with respect to time and global socioeconomic factors.

# Objectives

1. Understand the need for estimating the American English working lexicon size.
2. Explore linguists’ current processes for estimating the American English working lexicon size.
3. Understand the pain points associated with the current processes.
4. Develop a data-driven process to estimate the American English working lexicon size.
5. Justify developed process based on current literature and statistical practices.
6. Explore the change in American English working lexicon size with respect to time.
7. Explore the change in American English working lexicon size with respect to socioeconomic factors.

# Deliverables

1. Deliver a research paper assessing proposed process against current practices.
2. Estimate the size of the English working lexicon.
3. Find the factors that contribute the most to changes in the English working lexicon.
4. Deliver a presentation documenting research findings.

# Exclusions

1. Explore the application of developed process

# Roadmap

# Assumptions

1. Linguists’ current processes can be improved upon.
2. Development of a data-driven process can be completed by May.

# Risks

1. Linguists’ current processes cannot be improved upon.
2. Workload required to develop a data-driven process cannot be completed by May.

# Stakeholders

| **Role** | **Responsibility** |
| --- | --- |
| Project Team | Manage day-to-day aspects of the project |
| Instructional Team | Support on-going project activities by directing:   * Monitoring project progress * Approval of research paper * Approval of research presentation |
| Subject Matter Experts (SMEs) | Linguists with the responsibility of providing inputs for the project. This responsibility includes:   * Meeting with Project Team * Reviewing project for accuracy and completeness |

# Communications Plan

*The following plan describes how the Project Team intends to keep all involved and impacted constituents informed of the project’s overall progress and any issues or problems.*

| **ID** | **Type of Communication** | **Frequency** | **Format** | **Sender** | **Recipients** |
| --- | --- | --- | --- | --- | --- |
| 1 | Project Status Report | Weekly | Discussion | Project Team | Project Team |
| 2 | Project Schedule | Ongoing | Document | Project Team | Project Team |
| 3 | Meeting Minutes | As-needed | Document | Project Team | Project Team |
| 4 | Research paper | Bi-weekly | Document | Project Team | Instructional Team |