**File audit:**

Study 1 – sound

Study 2 – sound

Study 3

Study 4

Study 1 replication – sound

Study 2 replication – sound

Study 3 replication

Study 4 replication

**Semantic Exploration vs Average Sentiment**

Configuration 1: Twitter-bert-base-uncased + sentence-transformers/paraphrase-MiniLM-L6-v2

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 1 |  |  |  |
| Study 2 |  |  |  |
| Study 3 |  |  |  |
| Study 4 |  |  |  |

Configuration 2: cardiffnlp/twitter-roberta-base-sentiment + sentence-transformers/all-roberta-large-v1

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 1 Replication |  |  |  |
| Study 2 Replication |  |  |  |
| Study 3 Replication |  |  |  |
| Study 4 Replication |  |  |  |

**Semantic Exploration vs Generation Number:**

Configuration 1:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 1 |  |  |  |
| Study 2 |  |  |  |
| Study 3 |  |  |  |
| Study 4 |  |  |  |

Configuration 2:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 1 Replication |  |  |  |
| Study 2 Replication |  |  |  |
| Study 3 Replication |  |  |  |
| Study 4 Replication |  |  |  |

**Semantic Dissimilarity vs Generation Number:**

Configuration 1:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 1 |  |  |  |
| Study 2 |  |  |  |
| Study 3 |  |  |  |
| Study 4 |  |  |  |

Configuration 2:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 1 Replication |  |  |  |
| Study 2 Replication |  |  |  |
| Study 3 Replication |  |  |  |
| Study 4 Replication |  |  |  |

**Generation Sentiment vs Generation Number:**

Configuration 1:

|  |  |
| --- | --- |
| Study 1 |  |
| Study 2 |  |
| Study 3 |  |
| Study 4 |  |

Configuration 2:

|  |  |
| --- | --- |
| Study 1 Replication |  |
| Study 2 Replication |  |
| Study 3 Replication |  |
| Study 4 Replication |  |

**Generation Concreteness vs Generation Number:**

|  |  |
| --- | --- |
| Study 1 |  |
| Study 2 |  |
| Study 3 |  |
| Study 4 |  |

**Semantic Dissimilarity vs Concreteness Bucket:**

Configuration 1:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 1 |  |  |  |
| Study 2 |  |  |  |
| Study 3 |  |  |  |
| Study 4 |  |  |  |

Configuration 2:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 1 Replication |  |  |  |
| Study 2 Replication |  |  |  |
| Study 3 Replication |  |  |  |
| Study 4 Replication |  |  |  |

**Semantic Exploration vs Average Concreteness**

Configuration 1:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 1 |  |  |  |
| Study 2 |  |  |  |
| Study 3 |  |  |  |
| Study 4 |  |  |  |

Configuration 2:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 1 Replication |  |  |  |
| Study 2 Replication |  |  |  |
| Study 3 Replication |  |  |  |
| Study 4 Replication |  |  |  |

**Total Semantic Exploration vs Total Time:**

Configuration 1:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 2 |  |  |  |
| Study 3 |  |  |  |

Configuration 2:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 2 Replication |  |  |  |
| Study 3 Replication |  |  |  |

**Successive Semantic Distance vs Generation Time:**

Configuration 1:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 2 |  |  |  |
| Study 3 |  |  |  |

Configuration 2:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 2 Replication |  |  |  |
| Study 3 Replication |  |  |  |

**Distance From Center of Mass vs Generation Time:**

Configuration 1:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 2 |  |  |  |
| Study 3 |  |  |  |

Configuration 2:

|  |  |  |  |
| --- | --- | --- | --- |
|  | L1 | L2 | Cosine |
| Study 2 Replication |  |  |  |
| Study 3 Replication |  |  |  |