Directories of shared codes

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| GitHub repository | File directory | Sub file directory | Corresponding sections in the manuscript |
| <https://github.com/0AnonymousSite0/Social-media-data-to-Interrelated-informtion-to-Parameters-of-virtual-road-model> | SMD2II2PM.py | | / |
| Codes of the SMD2II model | Codes of Transfer-learning of Bert (stage I classification) | Section 3.3.1 |
| Codes of Transfer-learning of Bert (stages II & III infer relation types & recognize subjects and objects) | Sections 3.3.2 and 3.3.3 |
| Codes of Bi-LSTM, CNN, Capsule, Transformer models in making classifications (Stages I and II) | Figs. 9a and 9b in section 4.2.1 |
| Codes of Bi-LSTM, PCNN, Capsule, Transformer models in recognizing subjects and objects (Stage III) | Fig. 9c in section 4.2.1 |
| Codes of the II2PM convertor | | Fig. 10 |