Based on edureka Youtube video

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| --- | --- | --- | --- |
|  | Keras | TensorFlow | Pytorch |
| community | Lesser community | Wider Community | Wide community |
| opensource | Open Source neural network library which runs on top of tensorflow | Opensorce library for data flow programming.Used for machine learning applicaitons | Open source machine library.Developed by Facebook’s AI |
| Level of API | High level API | Provides High and low level API | Low level API  Provides custom expressions in API |
| speed | Slower as compared to Pytorch | Used for High Performance | Equivalent to the speed of Tensor Flow |
| Architecture | Architecture is simpler than Pytorch.  Very simple for Beginners | Not that easy to use | Complex Architecture |
| Ease of Code | Single line of code | Reduced size of model with high accuracy | More number of lines in code |
| Debugging | Less frequent need of debugging | Debugging is difficult | Better debugging capabilities |
| Dataset | Used for Smaller Datasets | Used fro high performance models | Used for large datasets |
| Popularity | 1st | 2nd | 3rd |
| Summary | * Rapid Prototyping * Small Datasets * BEst for Newbies | * Large dataset * High performance * Functionality | * Flexibility * Training duration * Debugging Capabilities |