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| **Data Type** | **Library** | **Description** |
| **Numeric (NDT PP SSS)** | **NumPy** | Fundamental library for numerical computing and array manipulation. |
| **Numeric** | **Pandas** | Data manipulation and analysis, providing DataFrames and Series. |
| **Numeric** | **SciPy** | Scientific computing library, extending NumPy with additional functions. |
| **Numeric** | **scikit-learn** | Machine learning library for classification, regression, and clustering. |
| **Numeric** | **Dask** | Parallel computing library for handling larger-than-memory datasets. |
| **Numeric** | **StatsModels** | Provides classes and functions for estimating statistical models. |
| **Numeric** | **TensorFlow** | Deep learning framework supporting numeric data operations for model training. |
| **Numeric** | **PyTorch** | A deep learning framework for tensor computations and model training. |
| **Text (FS TGTS N)** | **NLTK** | Comprehensive library for natural language processing tasks. |
| **Text** | **spaCy** | Fast NLP library with features for named entity recognition and more. |
| **Text** | **TextBlob** | Simplified NLP processing with sentiment analysis capabilities. |
| **Text** | **Gensim** | Library for topic modeling and document similarity analysis. |
| **Text** | **Transformers** | State-of-the-art NLP models based on transformer architecture by Hugging Face. |
| **Text** | **scikit-learn** | Includes tools for text feature extraction (e.g., TF-IDF, Count Vectorizer). |
| **Text** | **Flair** | Library for NLP built on PyTorch, providing pre-trained models. |
| **Image (FAST PIP OK)** | **OpenCV** | Extensive library for image processing and computer vision tasks. |
| **Image** | **Pillow (PIL)** | Library for opening and manipulating images in various formats. |
| **Image** | **scikit-image** | Collection of algorithms for image processing tasks. |
| **Image** | **TensorFlow** | Deep learning framework for training models on image data. |
| **Image** | **Keras** | High-level API for building and training deep learning models. |
| **Image** | **PyTorch** | Deep learning framework widely used for image recognition tasks. |
| **Image** | **fastai** | Simplifies deep learning model training for computer vision applications. |
| **Image** | **Albumentations** | Library for fast and flexible image augmentation. |
| **Image** | **ImageAI** | High-level library for image recognition and detection tasks. |