Great! Let's create a simplified example for the "Web Development" industry/use case area. Here's how the table might look:

| **Python Framework** | **Industry/Use Case Area** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- | --- |
| Django | Web Development | Azure App Service | AWS Elastic Beanstalk | Google App Engine |
| Flask | Web Development | Azure Functions | AWS Lambda | Google Cloud Functions |

Please note that this is a simplified example, and in a comprehensive table, there would be many more frameworks, industry/use case areas, and corresponding cloud services listed.

If you'd like to create a complete table for a specific industry/use case area, please provide that information, and I'll generate the full table for you.



You

add more

ChatGPT

ChatGPT

Certainly! Here's an expanded table for the "Web Development" industry/use case area, including additional Python frameworks and corresponding cloud services:

| **Python Framework** | **Industry/Use Case Area** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- | --- |
| Django | Web Development | Azure App Service | AWS Elastic Beanstalk | Google App Engine |
| Flask | Web Development | Azure Functions | AWS Lambda | Google Cloud Functions |
| Pyramid | Web Development | Azure Kubernetes Service (AKS) | Amazon EKS (Elastic Kubernetes Service) | Google Kubernetes Engine (GKE) |
| FastAPI | Web Development | Azure Functions, Azure App Service | AWS Lambda, AWS Elastic Beanstalk | Google Cloud Functions, Google App Engine |
| Tornado | Web Development | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| CherryPy | Web Development | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |

This table includes a variety of Python frameworks commonly used in web development and their compatibility with cloud services provided by Azure, AWS, and Google Cloud.

If you'd like to create a similar table for a different industry or use case area or if you have any other specific requests, please let me know!



You

group all web development in one are and similarly add other areas like AI/machine learning, education, ETL, Iots, data analytics, and other major industry use cases

ChatGPT

ChatGPT

Certainly! I've grouped the industry/use case areas and added more areas like AI/Machine Learning, Education, ETL (Extract, Transform, Load), IoT, Data Analytics, and other major industry use cases in the table. Here's the updated table:

| **Python Framework** | **Industry/Use Case Area** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- | --- |
| Django | Web Development | Azure App Service | AWS Elastic Beanstalk | Google App Engine |
| Flask | Web Development | Azure Functions | AWS Lambda | Google Cloud Functions |
| Pyramid | Web Development | Azure Kubernetes Service (AKS) | Amazon EKS (Elastic Kubernetes Service) | Google Kubernetes Engine (GKE) |
| FastAPI | Web Development | Azure Functions, Azure App Service | AWS Lambda, AWS Elastic Beanstalk | Google Cloud Functions, Google App Engine |
| Tornado | Web Development | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| CherryPy | Web Development | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| TensorFlow | AI/Machine Learning | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| PyTorch | AI/Machine Learning | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| Jupyter Notebook | Education | Azure Notebooks, Azure Machine Learning Notebooks | Amazon SageMaker Notebooks | Google Colab |
| Apache Airflow | ETL | Azure Data Factory | AWS Glue | Google Cloud Dataflow |
| Raspberry Pi | IoT | Azure IoT Hub | AWS IoT Core | Google Cloud IoT Core |
| Pandas | Data Analytics | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| Apache Spark | Data Analytics | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| Scrapy | Web Scraping | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |

This table provides an overview of Python frameworks used in various industry/use case areas and their compatibility with cloud services from Azure, AWS, and Google Cloud.

If you need further information or would like to add more frameworks or areas, please let me know!



You

add more like Web Development (Django, Flask)

Django, a high-level web framework, powers websites like Instagram.

Data Science (Pandas, NumPy)

Pandas and NumPy simplify data manipulation and analysis.

Machine Learning (TensorFlow, PyTorch)

TensorFlow is used by Google for machine learning projects like image recognition.

Automation (Scripting)

Python scripts automate repetitive tasks, such as data processing.

Scientific Computing (SciPy)

SciPy is used for scientific research, including simulations and data analysis.

ChatGPT

ChatGPT

Of course! Here's an expanded table with more industry/use case areas and their corresponding Python frameworks and cloud services:

| **Python Framework** | **Industry/Use Case Area** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- | --- |
| Django | Web Development | Azure App Service | AWS Elastic Beanstalk | Google App Engine |
| Flask | Web Development | Azure Functions | AWS Lambda | Google Cloud Functions |
| Pyramid | Web Development | Azure Kubernetes Service (AKS) | Amazon EKS (Elastic Kubernetes Service) | Google Kubernetes Engine (GKE) |
| FastAPI | Web Development | Azure Functions, Azure App Service | AWS Lambda, AWS Elastic Beanstalk | Google Cloud Functions, Google App Engine |
| Tornado | Web Development | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| CherryPy | Web Development | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| TensorFlow | AI/Machine Learning | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| PyTorch | AI/Machine Learning | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| Jupyter Notebook | Education | Azure Notebooks, Azure Machine Learning Notebooks | Amazon SageMaker Notebooks | Google Colab |
| Apache Airflow | ETL | Azure Data Factory | AWS Glue | Google Cloud Dataflow |
| Raspberry Pi | IoT | Azure IoT Hub | AWS IoT Core | Google Cloud IoT Core |
| Pandas | Data Analytics | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| Apache Spark | Data Analytics | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| Scrapy | Web Scraping | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |
| Requests | API Integration and Web Scraping | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |
| Selenium | Web Testing and Automation | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |
| NumPy | Data Science | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| SciPy | Scientific Computing | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| OpenCV | Computer Vision | Azure Computer Vision | Amazon Rekognition | Google Cloud Vision API |

This table now includes a wider range of industry/use case areas, their associated Python frameworks, and compatible cloud services from Azure, AWS, and Google Cloud.

If you have any more specific areas or frameworks you'd like to add, please let me know!



You

ensure to list only python frameworks in above table

ChatGPT

ChatGPT

I apologize for the inclusion of non-framework items in the table. Here's the revised table with only Python frameworks for each industry/use case area and their corresponding cloud services:

| **Python Framework** | **Industry/Use Case Area** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- | --- |
| Django | Web Development | Azure App Service | AWS Elastic Beanstalk | Google App Engine |
| Flask | Web Development | Azure Functions | AWS Lambda | Google Cloud Functions |
| Pyramid | Web Development | Azure Kubernetes Service (AKS) | Amazon EKS (Elastic Kubernetes Service) | Google Kubernetes Engine (GKE) |
| FastAPI | Web Development | Azure Functions, Azure App Service | AWS Lambda, AWS Elastic Beanstalk | Google Cloud Functions, Google App Engine |
| Tornado | Web Development | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| CherryPy | Web Development | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| TensorFlow | AI/Machine Learning | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| PyTorch | AI/Machine Learning | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| Jupyter Notebook | Education | Azure Notebooks, Azure Machine Learning Notebooks | Amazon SageMaker Notebooks | Google Colab |
| Apache Airflow | ETL | Azure Data Factory | AWS Glue | Google Cloud Dataflow |
| Pandas | Data Analytics | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| Apache Spark | Data Analytics | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| Scrapy | Web Scraping | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |
| NumPy | Data Science | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| SciPy | Scientific Computing | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| OpenCV | Computer Vision | Azure Computer Vision | Amazon Rekognition | Google Cloud Vision API |

This table now includes only Python frameworks for various industry/use case areas and their corresponding cloud services. If you have any further adjustments or additions, please let me know!



You

add neural science, robotics, gaming, movies, animations, search engines and other industry areas like these

ChatGPT

ChatGPT

Certainly! Here's an expanded table that includes Python frameworks for additional industry areas:

| **Python Framework** | **Industry/Use Case Area** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- | --- |
| Django | Web Development | Azure App Service | AWS Elastic Beanstalk | Google App Engine |
| Flask | Web Development | Azure Functions | AWS Lambda | Google Cloud Functions |
| Pyramid | Web Development | Azure Kubernetes Service (AKS) | Amazon EKS (Elastic Kubernetes Service) | Google Kubernetes Engine (GKE) |
| FastAPI | Web Development | Azure Functions, Azure App Service | AWS Lambda, AWS Elastic Beanstalk | Google Cloud Functions, Google App Engine |
| Tornado | Web Development | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| CherryPy | Web Development | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| TensorFlow | AI/Machine Learning | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| PyTorch | AI/Machine Learning | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| Jupyter Notebook | Education | Azure Notebooks, Azure Machine Learning Notebooks | Amazon SageMaker Notebooks | Google Colab |
| Apache Airflow | ETL | Azure Data Factory | AWS Glue | Google Cloud Dataflow |
| Pandas | Data Analytics | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| Apache Spark | Data Analytics | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| Scrapy | Web Scraping | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |
| NumPy | Data Science | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| SciPy | Scientific Computing | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| OpenCV | Computer Vision | Azure Computer Vision | Amazon Rekognition | Google Cloud Vision API |
| Pygame | Gaming | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| PyOpenGL | 3D Graphics | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| ROS (Robot Operating System) | Robotics | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| MoviePy | Movies/Animations | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| Elasticsearch | Search Engines | Azure Elasticsearch Service | Amazon Elasticsearch Service | Google Cloud Elasticsearch |

This table now includes Python frameworks for additional industry areas such as robotics, gaming, movies/animations, and search engines. If you have any further adjustments or additions, please let me know!



You

now group the table with industry

ChatGPT

ChatGPT

Certainly! Here's the table grouped by industry/use case areas:

Web Development:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Django | Azure App Service | AWS Elastic Beanstalk | Google App Engine |
| Flask | Azure Functions | AWS Lambda | Google Cloud Functions |
| Pyramid | Azure Kubernetes Service (AKS) | Amazon EKS (Elastic Kubernetes Service) | Google Kubernetes Engine (GKE) |
| FastAPI | Azure Functions, Azure App Service | AWS Lambda, AWS Elastic Beanstalk | Google Cloud Functions, Google App Engine |
| Tornado | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| CherryPy | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |

AI/Machine Learning:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| TensorFlow | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| PyTorch | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |

Education:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Jupyter Notebook | Azure Notebooks, Azure Machine Learning Notebooks | Amazon SageMaker Notebooks | Google Colab |

ETL (Extract, Transform, Load):

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Apache Airflow | Azure Data Factory | AWS Glue | Google Cloud Dataflow |

Data Analytics:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Pandas | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| Apache Spark | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| NumPy | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |

Web Scraping:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Scrapy | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |

Scientific Computing:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| SciPy | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |

Computer Vision:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| OpenCV | Azure Computer Vision | Amazon Rekognition | Google Cloud Vision API |

Gaming:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Pygame | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| PyOpenGL | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |

Robotics:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| ROS (Robot Operating System) | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |

Movies/Animations:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| MoviePy | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |

Search Engines:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Elasticsearch | Azure Elasticsearch Service | Amazon Elasticsearch Service | Google Cloud Elasticsearch |

This table is now organized by industry/use case areas, making it easier to reference Python frameworks and their compatibility with cloud services in each area. If you have any further adjustments or additions, please let me know!



You

no merge all in one table but group rows with industry

ChatGPT

ChatGPT

I understand your request. To merge all into one table but group rows by industry, I'll create a single table that includes all Python frameworks and their compatibility with Azure, AWS, and Google Cloud services, grouped by industry/use case areas. Here's the updated table:

| **Industry/Use Case** | **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- | --- |
| Web Development | Django | Azure App Service | AWS Elastic Beanstalk | Google App Engine |
|  | Flask | Azure Functions | AWS Lambda | Google Cloud Functions |
|  | Pyramid | Azure Kubernetes Service (AKS) | Amazon EKS (Elastic Kubernetes Service) | Google Kubernetes Engine (GKE) |
|  | FastAPI | Azure Functions, Azure App Service | AWS Lambda, AWS Elastic Beanstalk | Google Cloud Functions, Google App Engine |
|  | Tornado | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
|  | CherryPy | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| AI/Machine Learning | TensorFlow | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
|  | PyTorch | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| Education | Jupyter Notebook | Azure Notebooks, Azure Machine Learning Notebooks | Amazon SageMaker Notebooks | Google Colab |
| ETL | Apache Airflow | Azure Data Factory | AWS Glue | Google Cloud Dataflow |
| Data Analytics | Pandas | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
|  | Apache Spark | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
|  | NumPy | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| Web Scraping | Scrapy | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |
| Scientific Computing | SciPy | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| Computer Vision | OpenCV | Azure Computer Vision | Amazon Rekognition | Google Cloud Vision API |
| Gaming | Pygame | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
|  | PyOpenGL | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| Robotics | ROS (Robot Operating System) | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| Movies/Animations | MoviePy | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| Search Engines | Elasticsearch | Azure Elasticsearch Service | Amazon Elasticsearch Service | Google Cloud Elasticsearch |

Now, you have a single table that groups rows by industry/use case areas while including all relevant Python frameworks and their compatibility with Azure, AWS, and Google Cloud services. If you need any further adjustments or additions, please let me know!



You

add realtime apis, batch services and many more industry use cases to this table

ChatGPT

ChatGPT

I've expanded the table to include additional industry use cases like Real-time APIs, Batch Services, and more. Here's the updated table:

| **Industry/Use Case** | **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- | --- |
| Web Development | Django | Azure App Service, Azure Kubernetes Service (AKS) | AWS Elastic Beanstalk, Amazon EKS (Elastic Kubernetes Service) | Google App Engine, Google Kubernetes Engine (GKE) |
|  | Flask | Azure Functions | AWS Lambda | Google Cloud Functions |
|  | Pyramid | Azure Kubernetes Service (AKS) | Amazon EKS | Google Kubernetes Engine (GKE) |
|  | FastAPI | Azure Functions, Azure App Service | AWS Lambda, AWS Elastic Beanstalk | Google Cloud Functions, Google App Engine |
|  | Tornado | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
|  | CherryPy | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| AI/Machine Learning | TensorFlow | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
|  | PyTorch | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| Education | Jupyter Notebook | Azure Notebooks, Azure Machine Learning Notebooks | Amazon SageMaker Notebooks | Google Colab |
| ETL | Apache Airflow | Azure Data Factory | AWS Glue | Google Cloud Dataflow |
| Data Analytics | Pandas | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
|  | Apache Spark | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
|  | NumPy | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| Web Scraping | Scrapy | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |
| Scientific Computing | SciPy | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| Computer Vision | OpenCV | Azure Computer Vision | Amazon Rekognition | Google Cloud Vision API |
| Gaming | Pygame | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
|  | PyOpenGL | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| Robotics | ROS (Robot Operating System) | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| Movies/Animations | MoviePy | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| Search Engines | Elasticsearch | Azure Elasticsearch Service | Amazon Elasticsearch Service | Google Cloud Elasticsearch |
| Real-time APIs | FastAPI, Flask | Azure Functions, Azure API Management | AWS Lambda, Amazon API Gateway | Google Cloud Functions, Google Cloud Endpoints |
| Batch Services | Apache Spark, Apache Airflow | Azure Data Factory | AWS Batch, AWS Step Functions | Google Cloud Dataflow, Google Cloud Composer |
| Internet of Things | MicroPython, CircuitPython | Azure IoT Hub, Azure IoT Central | AWS IoT Core, AWS IoT Greengrass | Google Cloud IoT Core |
| Cybersecurity | PyCryptodome, Scapy | Azure Security Center | AWS Security Hub | Google Cloud Security Command Center |
|  |  | Azure Sentinel | Amazon GuardDuty | Google Cloud Security Scanner |
| Healthcare and Biotech | BioPython | Azure Healthcare APIs | AWS Healthcare APIs | Google Cloud Healthcare API |
| Gaming | Pygame | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |

This table now includes additional industry use cases such as Real-time APIs, Batch Services, Internet of Things, Cybersecurity, Healthcare, and more, along with their corresponding Python frameworks and cloud service compatibility. If you need any further adjustments or additions, please let me know!



You

make this table only for python frameworks and cloud services that are compatible with these python frameworks.

ChatGPT

ChatGPT

I've updated the table to include only Python frameworks and their compatibility with cloud services. Here's the revised table:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Django | Azure App Service, Azure Kubernetes Service (AKS) | AWS Elastic Beanstalk, Amazon EKS (Elastic Kubernetes Service) | Google App Engine, Google Kubernetes Engine (GKE) |
| Flask | Azure Functions | AWS Lambda | Google Cloud Functions |
| Pyramid | Azure Kubernetes Service (AKS) | Amazon EKS | Google Kubernetes Engine (GKE) |
| FastAPI | Azure Functions, Azure App Service | AWS Lambda, AWS Elastic Beanstalk | Google Cloud Functions, Google App Engine |
| Tornado | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| CherryPy | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| TensorFlow | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| PyTorch | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| Jupyter Notebook | Azure Notebooks, Azure Machine Learning Notebooks | Amazon SageMaker Notebooks | Google Colab |
| Apache Airflow | Azure Data Factory | AWS Glue | Google Cloud Dataflow |
| Pandas | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| Apache Spark | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| NumPy | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| Scrapy | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |
| SciPy | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| OpenCV | Azure Computer Vision | Amazon Rekognition | Google Cloud Vision API |
| Pygame | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| PyOpenGL | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| ROS (Robot Operating System) | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| MoviePy | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| BioPython | Azure Healthcare APIs | AWS Healthcare APIs | Google Cloud Healthcare API |
| PyCryptodome | Azure Security Center | AWS Security Hub | Google Cloud Security Command Center |
| Scapy | Azure Security Center | AWS Security Hub | Google Cloud Security Scanner |
| BioPython | Azure Healthcare APIs | AWS Healthcare APIs | Google Cloud Healthcare API |

This table now focuses on Python frameworks and their compatibility with Azure, AWS, and Google Cloud services. If you need any further adjustments or additions, please let me know!



You

do not lose the industry/use case

ChatGPT

ChatGPT

Certainly! Here's the updated table with Python frameworks, grouped by industry/use case, and their compatibility with Azure, AWS, and Google Cloud services:

Web Development:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Django | Azure App Service, Azure Kubernetes Service (AKS) | AWS Elastic Beanstalk, Amazon EKS (Elastic Kubernetes Service) | Google App Engine, Google Kubernetes Engine (GKE) |
| Flask | Azure Functions | AWS Lambda | Google Cloud Functions |
| Pyramid | Azure Kubernetes Service (AKS) | Amazon EKS | Google Kubernetes Engine (GKE) |
| FastAPI | Azure Functions, Azure App Service | AWS Lambda, AWS Elastic Beanstalk | Google Cloud Functions, Google App Engine |
| Tornado | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| CherryPy | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |

Data Science and Analytics:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Pandas | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| Apache Spark | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| NumPy | Azure Databricks, Azure Data Lake Storage | Amazon Redshift, AWS Glue DataBrew | Google BigQuery, Google Cloud Dataflow |
| SciPy | Azure Databricks, Azure HDInsight | Amazon EMR, AWS Glue | Google Cloud Dataprep, Google Dataproc |
| Jupyter Notebook | Azure Notebooks, Azure Machine Learning Notebooks | Amazon SageMaker Notebooks | Google Colab |

Machine Learning and AI:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| TensorFlow | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| PyTorch | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |

Automation:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Scrapy | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |

Scientific Computing and Research:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| BioPython | Azure Healthcare APIs | AWS Healthcare APIs | Google Cloud Healthcare API |

Robotics:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| ROS (Robot Operating System) | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |

Movies and Animation:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| MoviePy | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |

Search Engines:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Scrapy | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |

Neuroscience:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| BrainPy | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |

Gaming:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Pygame | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |

Real-time APIs and Batch Services:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Tornado | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| CherryPy | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| OpenCV | Azure Computer Vision | Amazon Rekognition | Google Cloud Vision API |
| PyOpenGL | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |

IoT (Internet of Things):

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| CircuitPython | Azure IoT Hub, Azure IoT Central | AWS IoT Core, AWS IoT Device Management | Google Cloud IoT Core |
| Micropython | Azure IoT Hub, Azure IoT Central | AWS IoT Core, AWS IoT Device Management | Google Cloud IoT Core |
| Zerynth | Azure IoT Hub, Azure IoT Central | AWS IoT Core, AWS IoT Device Management | Google Cloud IoT Core |

Education:

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Jupyter Notebook | Azure Notebooks, Azure Machine Learning Notebooks | Amazon SageMaker Notebooks | Google Colab |

ETL (Extract, Transform, Load):

| **Python Framework** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- |
| Apache NiFi (using NiPyAPI) | Azure Data Factory, Azure Databricks, Azure Data Lake Storage | AWS Glue, Amazon S3, AWS Glue DataBrew | Google Cloud Dataflow, Google Cloud Storage |

This table provides an overview of Python frameworks and their compatibility with cloud services in various industry/use case areas. If you need further additions or adjustments, please let me know!



You

merge them all in one table with first column as industry/use case and group by this industry/use case

ChatGPT

ChatGPT

Certainly, here's the merged table with industry/use cases as the first column and Python frameworks, along with their compatibility with Azure, AWS, and Google Cloud services:

| **Industry/Use Case** | **Python Frameworks** | **Azure Services** | **AWS Services** | **Google Cloud Services** |
| --- | --- | --- | --- | --- |
| Web Development | Django, Flask, Pyramid, FastAPI, Tornado, CherryPy | Azure App Service, Azure Kubernetes Service (AKS), Azure Functions | AWS Elastic Beanstalk, Amazon EKS (Elastic Kubernetes Service), AWS Lambda | Google App Engine, Google Kubernetes Engine (GKE), Google Cloud Functions |
| Data Science and Analytics | Pandas, Apache Spark, NumPy, SciPy, Jupyter Notebook | Azure Databricks, Azure Data Lake Storage, Azure Notebooks, Azure Machine Learning Notebooks | Amazon Redshift, AWS Glue DataBrew, Amazon EMR, AWS Glue | Google BigQuery, Google Cloud Dataflow, Google Colab, Google Cloud Dataprep, Google Dataproc |
| Machine Learning and AI | TensorFlow, PyTorch | Azure Machine Learning, Azure Databricks | Amazon SageMaker, AWS Deep Learning AMIs | Google AI Platform |
| Automation | Scrapy | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |
| Scientific Computing and Research | BioPython | Azure Healthcare APIs | AWS Healthcare APIs | Google Cloud Healthcare API |
| Robotics | ROS (Robot Operating System) | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| Movies and Animation | MoviePy | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| Search Engines | Scrapy | Azure Functions, Azure Logic Apps | AWS Lambda, AWS Step Functions | Google Cloud Functions, Google Cloud Scheduler |
| Neuroscience | BrainPy | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| Gaming | Pygame | Not Azure Managed | Not AWS Managed | Not Google Cloud Managed |
| Real-time APIs and Batch Services | Tornado, CherryPy, OpenCV, PyOpenGL | Azure Virtual Machines | Amazon EC2 | Google Compute Engine |
| IoT (Internet of Things) | CircuitPython, Micropython, Zerynth | Azure IoT Hub, Azure IoT Central | AWS IoT Core, AWS IoT Device Management | Google Cloud IoT Core |
| Education | Jupyter Notebook | Azure Notebooks, Azure Machine Learning Notebooks | Amazon SageMaker Notebooks | Google Colab |
| ETL (Extract, Transform, Load) | Apache NiFi (using NiPyAPI) | Azure Data Factory, Azure Databricks, Azure Data Lake Storage | AWS Glue, Amazon S3, AWS Glue DataBrew | Google Cloud Dataflow, Google Cloud Storage |

This comprehensive table categorizes Python frameworks by industry/use case and shows their compatibility with Azure, AWS, and Google Cloud services. If you have any further requests or modifications, please let me know!