STRUGGLING TO PROVIDE ON-DEMAND ANALYTICS FROM HIGH VOLUME DATA?

AWS tools help manage and share big data analytics and insights using Redshift, QuickSight and Lambda

Adaptable
Can be customized based on user preference

Cost Effective
10% of competition

Secure
Follows International Data Secutiry Laws

Easy to Use
Cloud based tools

Scalable
Compatible with several other tools and platforms

Highlight Tools

S3
Storage
- Simple Storage Service
- Web service interface
- Private Virtual Cloud

Redshift
Data Warehouse
- Process high volume data
- Allows fast querying
- Compatible with stream data : Twitter

QuickSight
Analytics and Visualization
- Connects to virtually any source
- Quick calculations and visualizations
- Easily shared
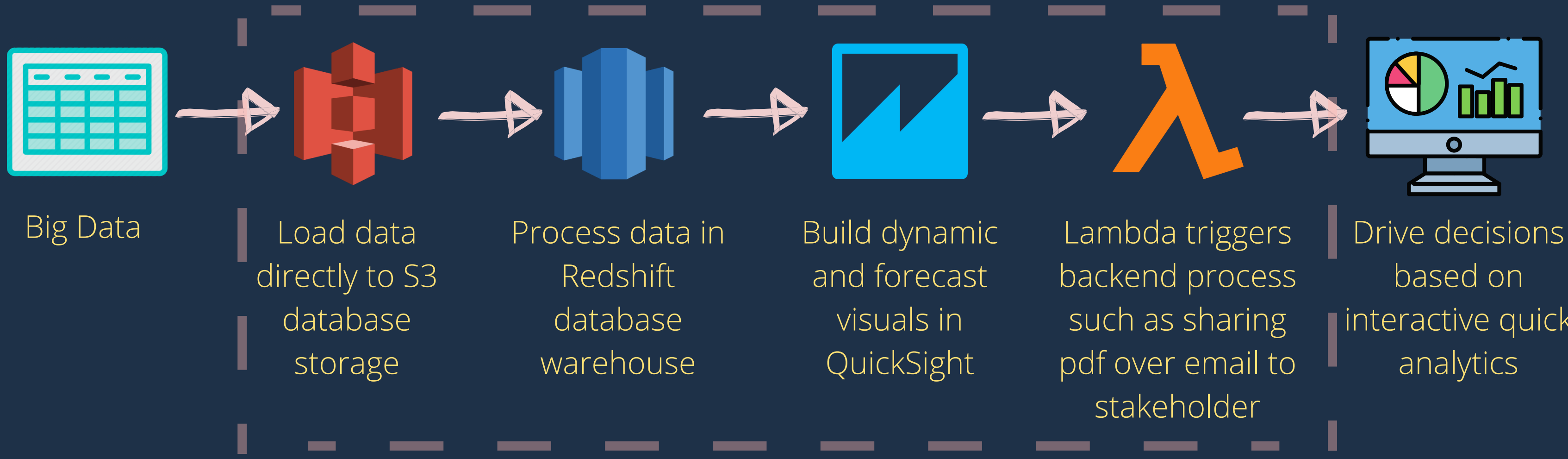- Cheap

Lambda
Service Trigger
- Automated scaling
- Modernized
- Pay-as-you-go

Interested? Click 👉 **Github**

Data Flow between tools

Big Data → Load data directly to S3 database storage → Process data in Redshift database warehouse → Build dynamic and forecast visuals in QuickSight → Lambda triggers backend process such as sharing pdf over email to stakeholder → Drive decisions based on interactive quick analytics

Competitive Advantage

Analytics

	QuickSight	Tableau Online	PowerBI Pro
Monthly Cost	$	$$$	$
Features	★★★	★★★	★
Storage	Adaptive	Fixed	Fixed
Cloud Based	✓	✓	✗

DB Warehouse

	Redshift	Snowflake	SQL Server
Cost	Per Compute	Per Compute	Per License
Flexiblity	★★★	★★	★
Scaling	Manual	Automatic	None
Cloud Based	✓	✓	✗
Speed	+++	+++	+

Who can use this?

Data Provider

Database Administrator
Data and Business Analyst

Data Consumer

Company Executives
Marketing and Sales Managers

Bradshaw Irish
irish048@umn.edu

Eshan Bhushan
bhush013@umn.edu

Likhith Karanuthala
karan074@umn.edu

Ng Ka Lok Carol
ng000078@umn.edu

Sheetal Pasam
pasam001@umn.edu

Interested? Click . **Github**