

State Customs Committee of Azerbaijan

Regional Dialogue on Linking Past and Future Regional Cooperation and Partnerships

26 January 2022

Agenda -

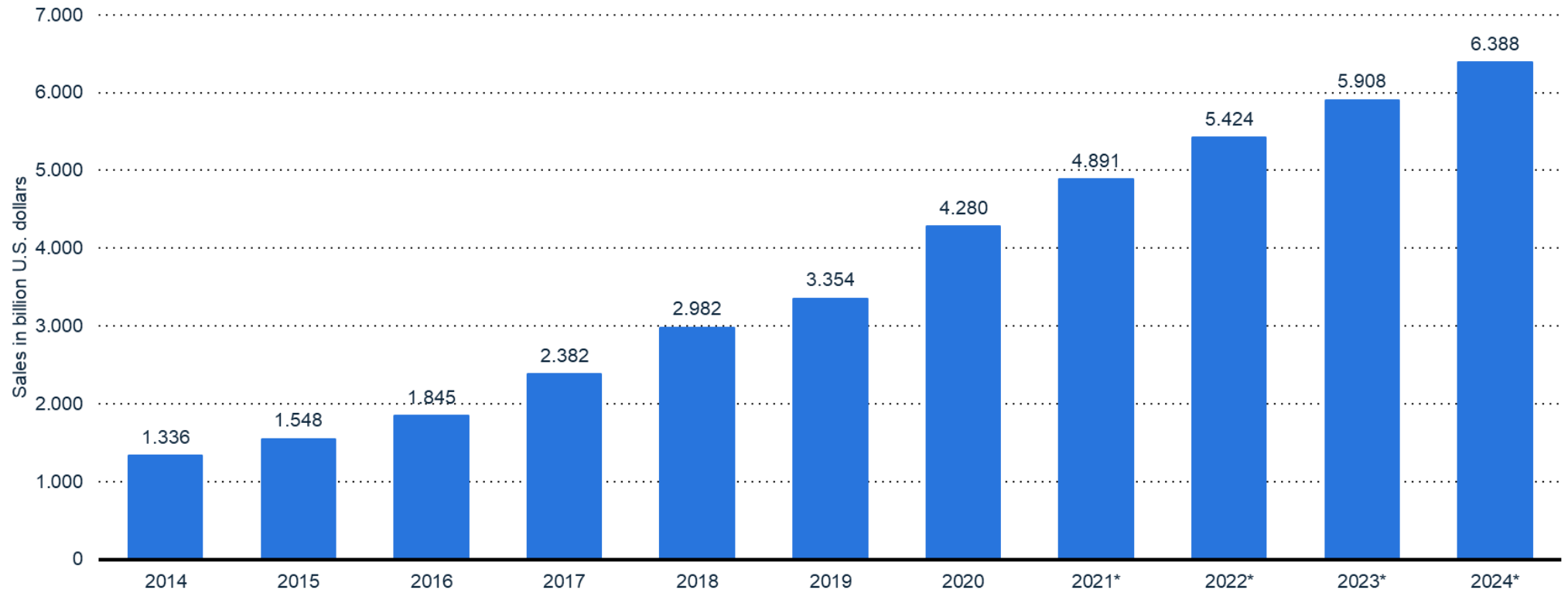
- ❖ Data mining process
- ❖ Data Cleansing
- ❖ Descriptive analytics
- ❖ Data extraction – tools
- ❖ SQL
- ❖ Data Visualisation
- ❖ Machine learning
- ❖ Predictive analytics
- ❖ Metadata

Agenda -

- ❖ Data mining process
- ❖ Data Cleansing
- ❖ Descriptive analytics
- ❖ Data extraction – tools
- ❖ SQL
- ❖ Data Visualisation
- ❖ Machine learning
- ❖ Predictive analytics
- ❖ Metadata

Retail e-commerce sales worldwide from 2014 to 2024 (in billion U.S. dollars)

Global retail e-commerce sales 2014-2024



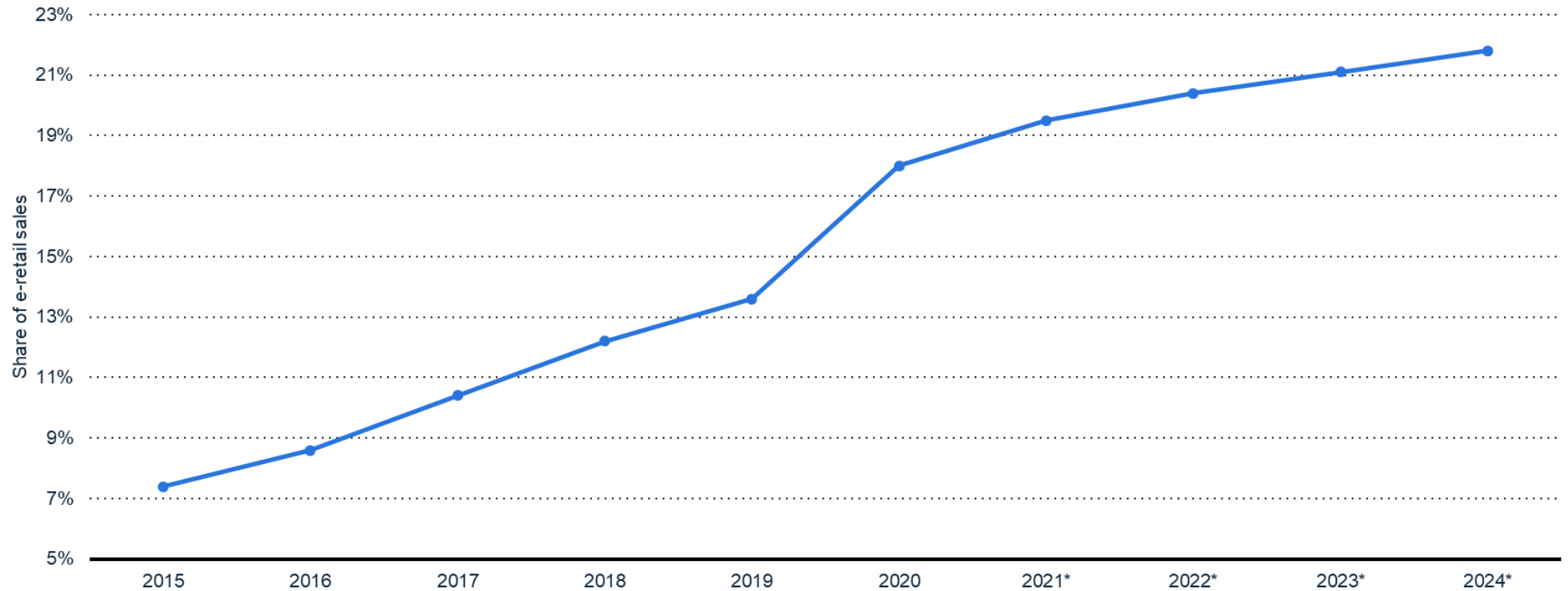
Note(s): Worldwide; 2014 to 2020

Further information regarding this statistic can be found on [page 55](#).

Source(s): eMarketer; [ID 379046](#)

E-commerce share of total global retail sales from 2015 to 2024

Worldwide e-commerce share of retail sales 2015-2024



Note(s): Worldwide; 2015 to 2020

Further information regarding this statistic can be found on [page 56](#).

Source(s): eMarketer; Vision Monday; [ID 534123](#)

E-commerce declaration system via mobile apps

- Smart Customs App – 80% active monthly users
- Increasing number e-commerce imports
- Live data sharing with 50 carrier – expedited shipment companies
- Customs decision prior to arrival to Azerbaijan



Biometrics – face recognition

- ❖ Pilot completed in 2020 by Huawei
- ❖ Southern border crossing point with Iran
- ❖ Detect frequent border crossers with criminal charges
- ❖ 90% detection rate

Certificate of origin sharing using distributed ledger technologies

- ❖ ***The GUAM Organization for Democracy and Economic Development*** is a regional organization of four post-Soviet states: Georgia, Ukraine, Azerbaijan, and Moldova.
 - ❖ Georgia Revenue Service > Azerbaijan Customs Committee
- ❖ Transaction are immutable: unchangeable
- ❖ CoO transactions published in Ethereum Blockchain
- ❖ Azerbaijan Customs confirms the validity of certificates through blockchain
- ❖ Inspection rate of error occurrence
- ❖ Time allocated for certificate inspection

Cross country preliminary information sharing

- ❖ Data received prior to goods arrival
- ❖ Decision making based on foreign country data
- ❖ Cross country live stream information sharing

Declaration processing using artificial intelligence

- ❖ **Amazon SageMaker** – Human workflow model
- ❖ Deep learning to analyse unstructured data – uploaded documents
- ❖ Major setback: language barrier
- ❖ Machine learning to create customs decision making model
 - ❖ Pilot by end of 2021
 - ❖ Customs clearance events planned in 2022

Thank you for your attention!



www.customs.gov.az



international@customs.gov.az



+994 12 404 22 00



Inshaatchilar avenue 2, Baku, AZ1073, Azerbaijan



State Customs Committee of the Republic of Azerbaijan

