

Welcome to AUTM Horizons!

MEET YOUR HOST



Isa White, MBA

Program Director, Austin Urban
Technology Movement

Diversity in Tech

Employee breakdown of key technology companies

■ year on year change

YEAR: 2014 2015 2016 2017



THE PROBLEM

*Lack of
diversity in Tech*

AUTM HORIZONS



AUTM Horizons increases access, adoption, and understanding of the technology industry for underserved individuals by exposing them to tech professionals from the Global Majority (BIPOC).

Meet You Horizon's Speaker

Darraj Hossain,
Big Data Analytical Consultant



Agenda

About Me
Big data Analytical Model
Lab Google FORM
Analytical Workshop Sign Up

MEET YOUR AUTM HORIZONS' SPEAKER



RESEARCH ASSISTANT
PROUD FATHER
IT CONTRIBUTOR
DATA ANALYST
30 YEARS OVER EXP
FRIENDLY
BIG DATA STUDENT
PROJECT DIRECTOR
IT MENTORING
MEMBERS IT SOCIETY
IT TEACHING
BROWN
CHESS PLAYER
DATA CENTER MANAGER
IT SUPPORT
IT VOLUNTEER
IT FREELANCER
BIG DATA PROFESSIONAL

MY IT CAREER JOURNEY OVER 30 YEARS

How it started...



- >Dhaka University, Bangladesh : M.Sc, Industrial Psychology, 1991
- >Open University : Diploma in Computer Science & Application, 2000
- >IT Professional Training: HPIT, Web App, Networking, Data Mining, Big Data, AWS Cloud, Oracle DBA
- >Workshop & Webinar : AWS, London Big DATA conf, Cloudera Hadoop

How its going...



First job, 1991



Telco Job, 1998



Telco Job, 2005



IT support, 2010



Current,
AP CSP, HS, 2020



Current,
Big Data
Consultant, 2018

H/W, S/W & Cloud



What does it mean to live a better life?

Big Data Analytics for Better Life

“Better lives means being able to access jobs and income, environmental quality and a good social environment in the places where people live.”

What words come to mind when you think about technology and the technology industry?

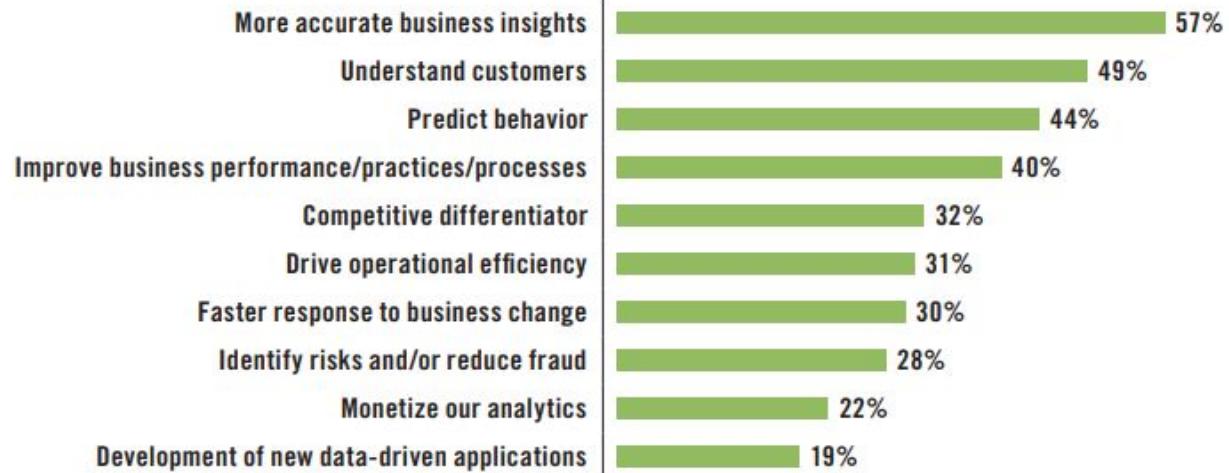
Bytes Information

Processor or Virtual Storage	Disk Storage
• 1 bit	=Binary digit
• 8 bits	=1 Byte
• 1024 byte	=1 kb
• 1024 kb	=1 mb
• 1024 mb	=1 gb
• 1024 gb	=1 Terabyte
• 1024 tb	=1 Petabyte
• 1024 pb	=1 Exabyte
• 1024 eb	=1 Zettabyte
• 1024 zb	=1 Yottabyte
• 1024 yb	=1 Brontobyte
• 1024 bb	=1 Geopbyte
• 1 bit	=Binary digit
• 8 bits	=1 Byte
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• 1024 mb	=1 gb
• 1024 gb	=1 Terabyte
• 1024 tb	=1 Petabyte
• 1024 pb	=1 Exabyte
• 1024 eb	=1 Zettabyte
• 1024 zb	=1 Yottabyte
• 1024 yb	=1 Brontobyte
• 1024 bb	=1 Geopbyte

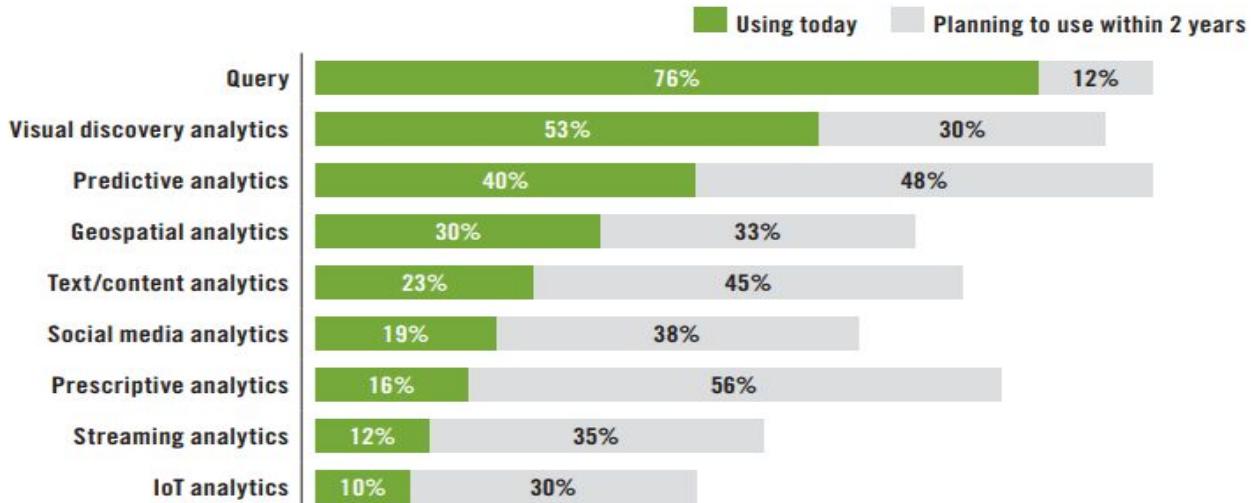
62

Big Data Volume, Variety & Velocity

Percentage of respondents ranking the following drivers for big data deployments "extremely important" in their organization or company.



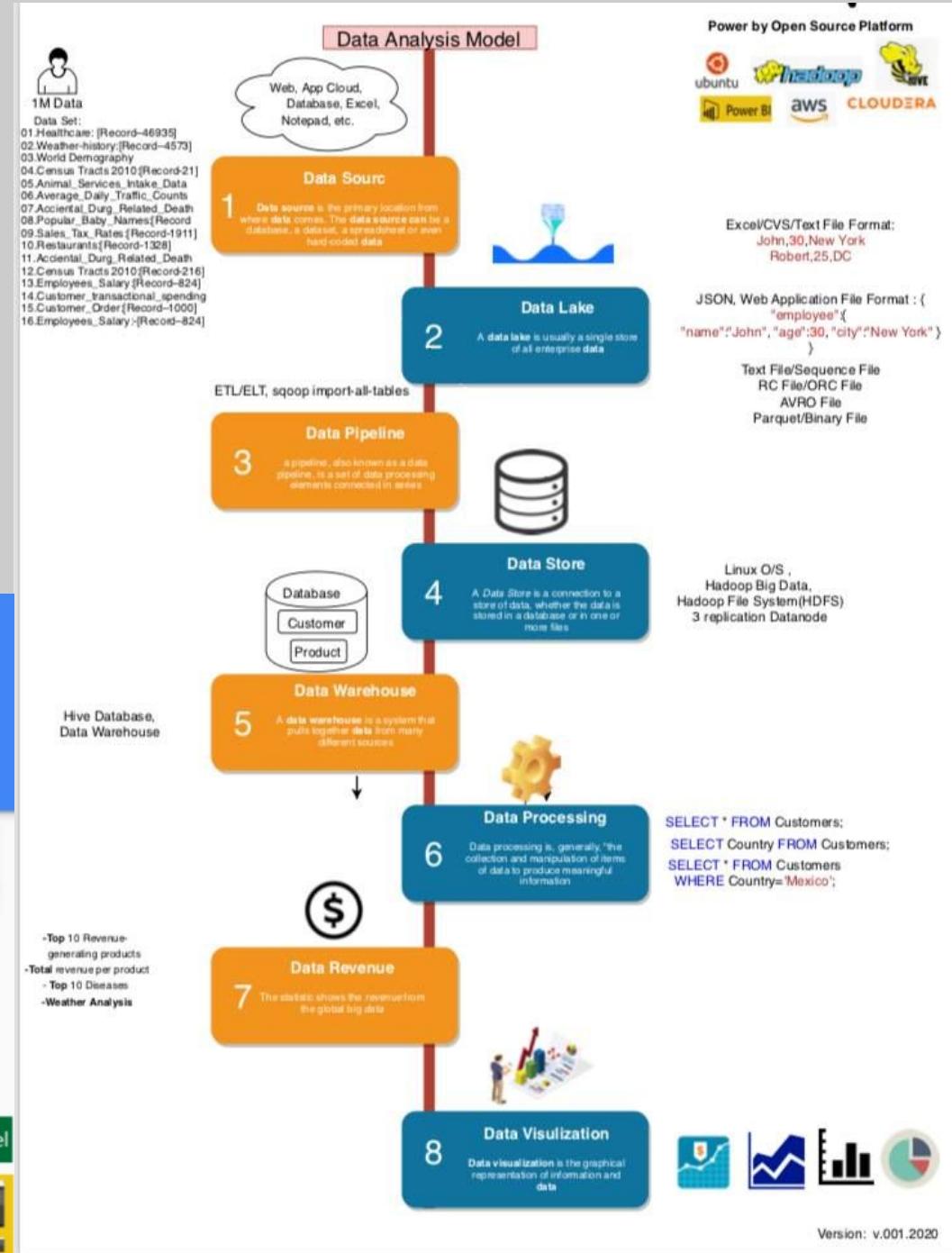
What are your plans for the big data analytics listed below?



WHAT I DO

Big Data Analytics Open Source Platform for Small Business

- Data Cloud Lab - 1M Dataset (Available on cloud)
- Open Source Platform
- Linux , Hadoop , Hive Data Warehouse (HQL)
- Data Analysis Through SQL job
- Data Visualization Report Through MS Power BI



Lab - Data Analytical Platform



GitHub is a Git repository hosting service, but it adds many of its own features. While Git is a command line tool, GitHub provides a Web-based graphical interface.



Google Colab is a free cloud service and now it supports free GPU!



Apache Hive is a data warehouse system for data summarization and analysis and for querying of large data systems in the open-source Hadoop platform.



Power BI is a business analytics service by Microsoft. It aims to provide interactive visualizations and business intelligence



Google Forms is a tool that allows collecting information from users through a personalized survey or quiz. The information is then collected and automatically connected to a spreadsheet. The spreadsheet is populated with the survey and quiz response



Microsoft Forms is a simple, lightweight app that lets you easily create surveys, quizzes, and polls. In educational institutions, it can be used to create quizzes, collect feedback from teachers and parents, or plan class and staff activities



Cloud H/W & S/W platform



DATA Collection App - 5 Step

STEP-1

Questionnaire Google FORM

The COVID-19 Pandemic

We respect your privacy and information is 100% Secure. Data Analytical Team, Psychology Dept., Dhaka University, FORM Release Date, October 23, 2020, & Version 0.001

* Required

FORM code (Volunteer ID)

Your answer

Name

Your answer

Age

Your answer

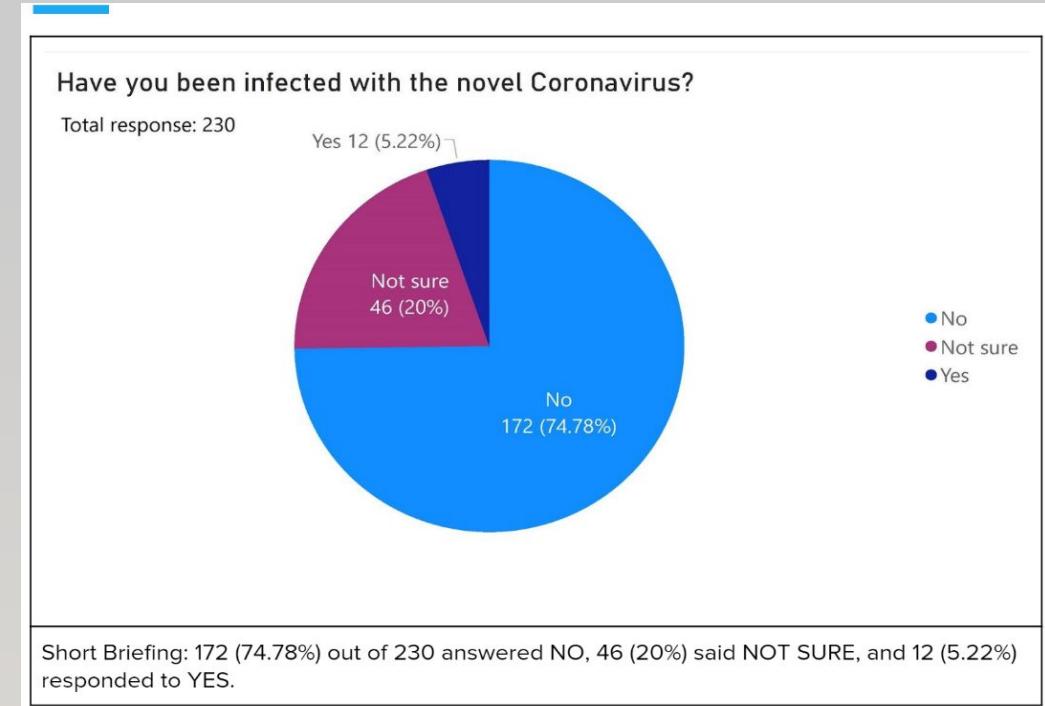
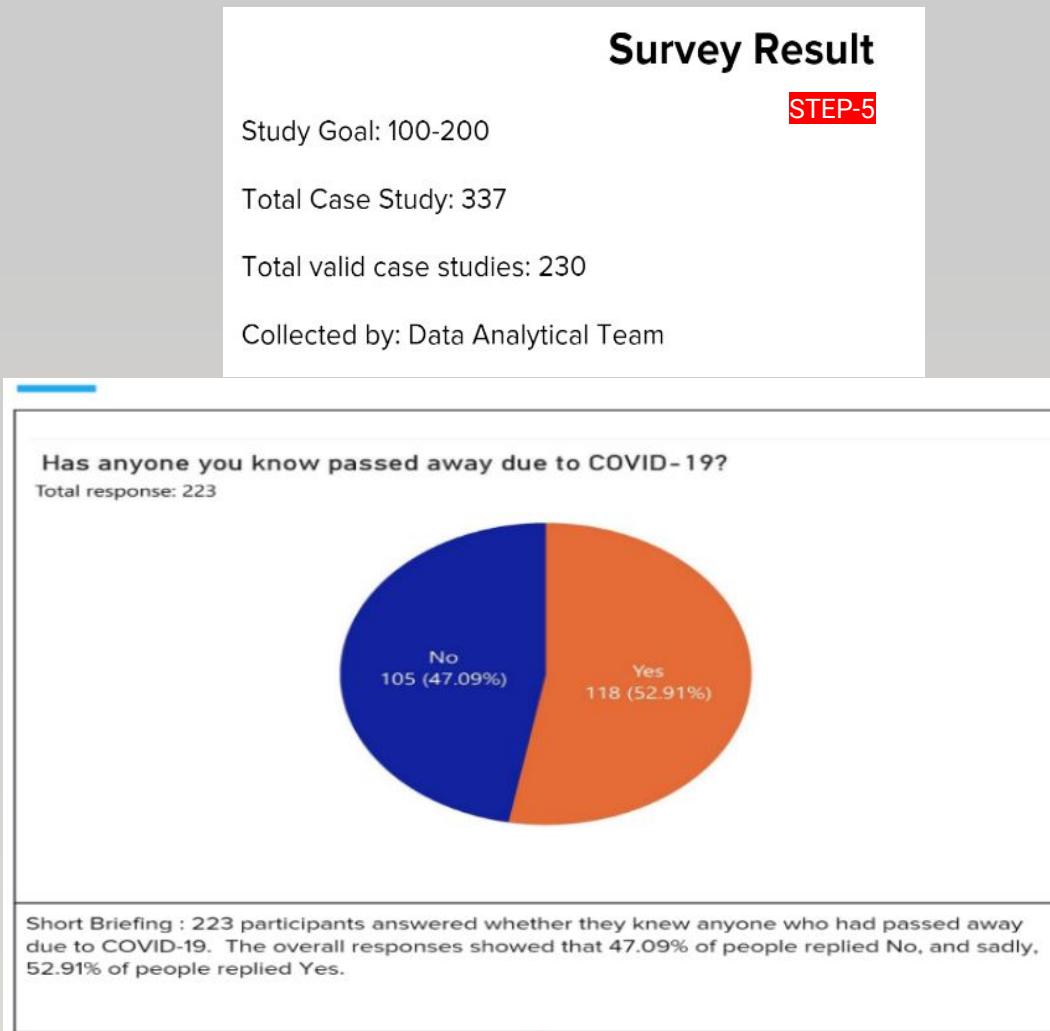
RAW DATA

DATA TABULAR FORM

363 lines (363 sloc)		57.3 KB
Q Search this file...		
Preferred contact method	Have you been infected with the novel Coronavirus?	Have any of the following been affected by COVID-19?
Email	No	c. Your friends, d. Your acquaintances
Phone	Not sure	b. Your relatives, c. Your friends, d. Your acquaintances
Phone	No	b. Your relatives, d. Your acquaintances
Email	Not sure	b. Your relatives, c. Your friends
Email	No	
Phone	No	
Email	Not sure	b. Your relatives
Phone	No	
Phone	No	b. Your relatives
Email	No	b. Your relatives
Email	No	b. Your relatives

REAL TIME GOOGLE SHEET-CALL CENTER STEP-4

COVID-19 Survey by Google Form

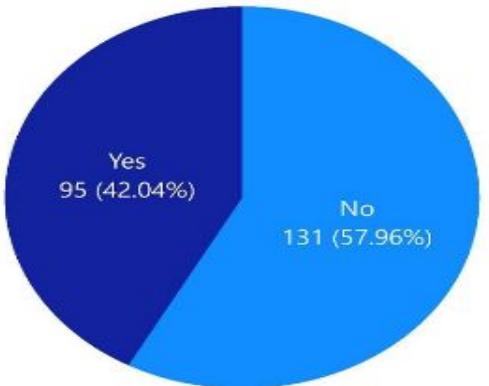


COVID-19 Survey by Google Form

STEP-5

Have you or anyone you care about been hospitalized because of this pandemic?

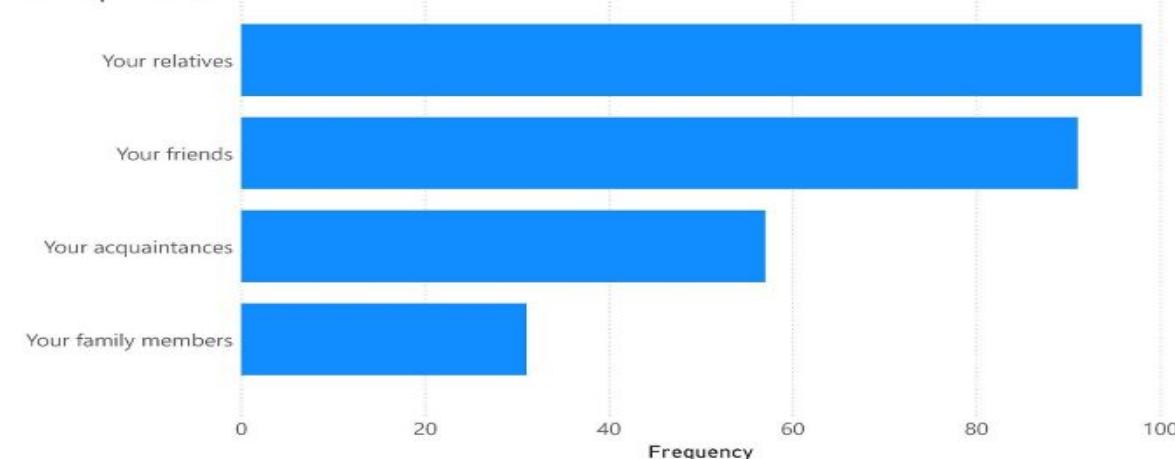
Total response: 226



Short Briefing :
226 participants answered whether any of their cared ones had been hospitalized because of the Covid-19 pandemic. 57.96% of the total answer was YES. and 42.04% was NO.

Have any of the following been affected by COVID-19?

Total response: 230



Short Briefing: When asked if people knew someone affected by covid, there were a variety of answers concerning who it was to them. While family members were only around 32 out of the 230 answers, the relatives of the person who were asked were the most unfortunate ones, taking up to a massive 42% of the total cases. Friends were sadly next with a high 90 cases, followed by acquaintances who had 57 cases.

Scope of work: Covid Vaccine
Awareness Necessity

Registration FORM



Darrajit@outlook.com



My Tech Portofolio at GitHub Library
<https://github.com/Darraj/portofolio>



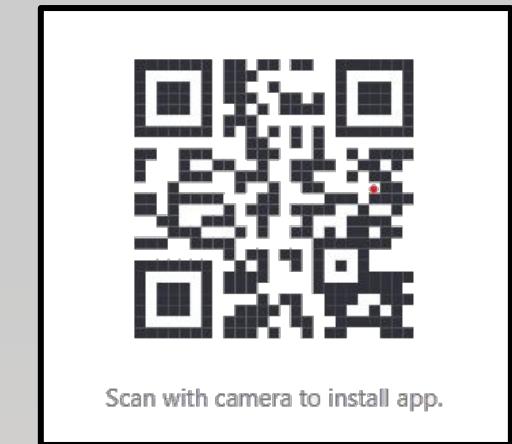
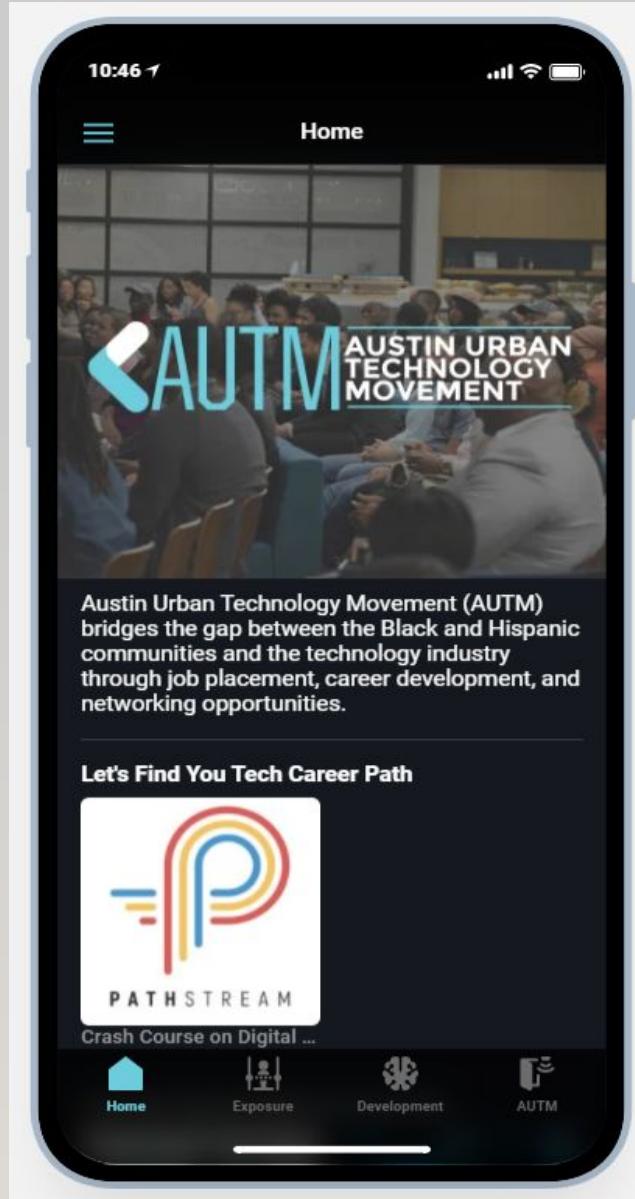
Thank You

Any questions before I
welcome back the
AUTM team?



HOW TO CONNECT WITH AUTM?

Go to www.autmtx.org to download our AUTM Learn application and sign up for the AUTM newsletter!



Link to the AUTM newsletter

<https://www.autmtx.org/join-autm>

Thank You

Please help us achieve diversity, equity, and inclusion (DEI) in the technology industry by going to www.autmtx.org to join the AUTM community!

We are also on social via @autmtx

