PAVING THE WAY FOR PUBLIC SECTOR BIG DATA ADOPTION

IS GOVERNMENT READY FOR BIG DATA?
A GovLoop survey of 152 public sector professionals provided insights on the state of big data at their agency.

57% No
43% Yes

HOW ARE YOU DEFINING BIG DATA?
- Variety 56%
- Complexity 55%
- Size 53%
- Speed 12%

WHAT STATEMENT BEST DESCRIBES YOUR CURRENT USE OF BIG DATA?
- Insights from data are limited 19%
- Insights from data lead to improvements 39%
- We have yet to adopt big data 39%
- Insights from data inform all of our decisions 10%

WHAT ARE THE BENEFITS OF BIG DATA?
- Ability to find critical information 71%
- Improved efficiencies 46%
- Timely decision making 46%
- Consolidated data 44%
- Search across different data types 49%
- Transparent government 46%
- Reduced costs 35%
- Integrate legacy systems 22%
- Better constituency services 27%
- Other 4%

WHAT ARE YOUR BIG DATA CHALLENGES?
- Lack of understanding of benefits 60%
- No management support 59%
- Workforce lacks skills 57%
- No culture of data innovation 57%
- Startup costs 44%
- Disparate data sources 43%
- Security 38%
- Don’t know where to start 38%
- Insufficient processing capabilities 15%
- Other 13%

WHAT IS PREVENTING YOU FROM ADOPTING A BIG DATA SOLUTION?
- Funding 46%
- Lack of leadership support 44%
- Not an agency priority 44%
- Don’t understand value 33%
- Other 16%

IS GOVERNMENT READY FOR BIG DATA?
Government has leveraged big data in a variety of ways, but that doesn’t mean there aren’t challenges to overcome.

BIG DATA CHALLENGES

YOUR BIG DATA BEST PRACTICES
Looking for some ways to get started with big data? Here are a few best practices from your government peers.

#1. KNOW YOUR DATA
What kind of data types do you currently search across in your agency? (Select all that apply)

- Text 75%
- Application-Specific Documents 67%
- Geospatial 44%
- Rich File Formats 37%
- Social Media 37%
- Images 33%
- Video 19%
- Audio 12%

#2. IDENTIFY A CLEAR ORGANIZATIONAL PROBLEM
1. What problem are you trying to solve?
2. Where is the necessary data solved? Who do you need to bring to the table?
3. How will you measure the ROI?

#3. STORING DATA IN A SINGLE REPOSITORY

HOW ARE YOU DEFINING BIG DATA?

BY USING BIG DATA, GOVERNMENT WILL REACH A WIDER AUDIENCE AND BE MORE TRANSPARENT, WHICH WILL BRING ABOUT A BETTER TRUST IN GOVERNMENT. - GovLoop Survey Participant

It’s clear that big data offers the opportunity for government agencies to improve their mission performance and service delivery. But we wonder: Is government ready? This infographic explores the big data landscape for government, and the related challenges, best practices and use cases of big data.

YOUR BIG DATA BEST PRACTICES

Do you aggregate data from multiple sources?
- Yes 63%
- No 37%

How long does it take you to aggregate data from multiple sources?
- Less than an hour 17%
- About a day 60%
- About a week 15%
- 2 weeks 8%
- Other 8%