09/10/2023

Is this Sep 10 or 9th Oct?

My mission is to help you (and I) grow and learn, every day! My favicons include:

✓ Auditing of financial and IT systems
✓ Cloud awareness
✓ Cybersecurity
✓ CISA

CIS Critical Security Controls v8

CONTROL	Title	Safeguards	IG1	IG2	IG3
01	Inventory and Control of Enterprise Assets	5 Safeguards	2/5	4/5	5/5
02	Inventory and Control of Software Assets	7 Safeguards	3/7	6/7	7/7
03	Data Protection	14 Safeguards	6/14	12/14	14/14
04	Secure Configuration of Enterprise Assets and Software	12 Safeguards	7/12	11/12	12/12
05	Account Management	6 Safeguards	4/6	6/6	6/6
06	Access Control Management	8 Safeguards	5/8	7/8	8/8
07	Continuous Vulnerability Management	7 Safeguards	4/7	7/7	7/7
08	Audit Log Management	12 Safeguards	3/12	11/12	12/12
09	Email and Web Browser Protections	7 Safeguards	2/7	6/7	7/7
10	Malware Defenses	7 Safeguards	3/7	7/7	7/7
11	Data Recovery	5 Safeguards	4/5	5/5	5/5
12	Network Infrastructure Management	8 Safeguards	1/8	7/8	8/8
13	Network Monitoring and Defense	11 Safeguards	0/11	6/11	11/11
14	Security Awareness and Skills Training	9 Safeguards	8/9	9/9	9/9
15	Service Provider Management	7 Safeguards	1/7	4/7	7/7
16	Applications Software Security	14 Safeguards	0/14	11/14	14/14
17	Incident Response Management	9 Safeguards	3/9	8/9	9/9
18	Penetration Testing	5 Safeguards	0/5	3/5	5/5

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A | It's just data….

What can go wrong?

B

Poor data entry

- ✓ **Data entered in multiple formats, styles and varieties.**
- ✓ **Data acquired from other sources is highly prone to mistakes, typos and copy/paste errors.**

C

Non standard data practices

If there are no standard processes in place for how data is collected, formatted, or accessed, it becomes more likely for inaccuracies to arise.

D

Incomplete/ insufficient data

- ✓ **Not having enough of it;**

- ✓ **Without sufficient data, analyses may be conducted with assumptions or extrapolations that will be less accurate.**

E | Data hoarding instead of data driven

- ✓ **Big data, but no system in place to make sense of that data.**
- ✓ **No resources available to clean, sort, manage the data in time.**
- ✓ **No automation and definitely no processes put in place to resolve data quality issues.**

F

Outdated systems

- ✓ **Believe it or not, some companies still rely on paper forms.**
- ✓ **Even in digital format, poor form design can affect the quality of the data collected.**
- ✓ **Usage of outdated tracking systems that do not follow the latest best practices for data collection.**
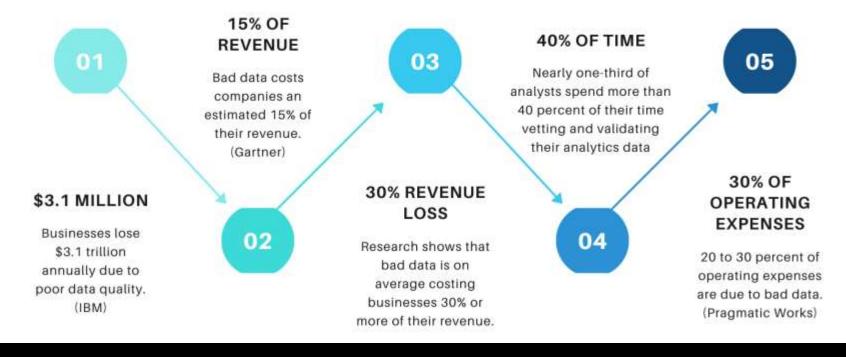
The High Cost of Inaccurate Data

Industry statistics reveals:

01

$3.1 MILLION

Businesses lose $3.1 trillion annually due to poor data quality. (IBM)

15% OF REVENUE

Bad data costs companies an estimated 15% of their revenue. (Gartner)

02

03

30% REVENUE LOSS

Research shows that bad data is on average costing businesses 30% or more of their revenue.

40% OF TIME

Nearly one-third of analysts spend more than 40 percent of their time vetting and validating their analytics data

04

05

30% OF OPERATING EXPENSES

20 to 30 percent of operating expenses are due to bad data. (Pragmatic Works)

Let's discuss….

A. What are some of the data quality challenges you have faced?

B. What best practices/ tools do you use to mitigate / reduce the risk of data quality?

Help my achieve my mission to bring valuable ideas, information & inputs to you.

Like, subscribe, follow (why not all 3?)

Thank you!

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