

RSA®Conference2019 **Asia Pacific & Japan**

Singapore | 16–18 July | Marina Bay Sands



BETTER.

SESSION ID: SDS-R03

Applying Statistical Analysis to Third-Party Risk Assessment

Bill O'Connell

VP Chief Business Security Officer
ADP



#RSAC

The Premise

- It's long been the case that vendors represent one of the greatest data protection risks for virtually every organization.
- The General Data Protection Regulation (GDPR) and other regulations have only increased that anxiety.
- With limited resources, and new innovations, how can we apply statistical analysis to our third parties to more efficiently and effectively manage these risks?

Third Parties and Risk

- Enterprises might ask:
 - Who has my data?
 - How are they using it?
 - Do I consent to that use?
- Regulators may ask
 - How did you get that data?
 - How are you using it?
 - Did the data subject consent to that use?

What Can You Do About the Risk?

- Understanding and managing the risks to your business by employing the use of any External Entities (Suppliers, Partners, Vendors, Third Parties, etc)



Ignore

What are your goals?

- ? Make regulators happy
- ? Keep my Job
- ? Manage Risk for my company

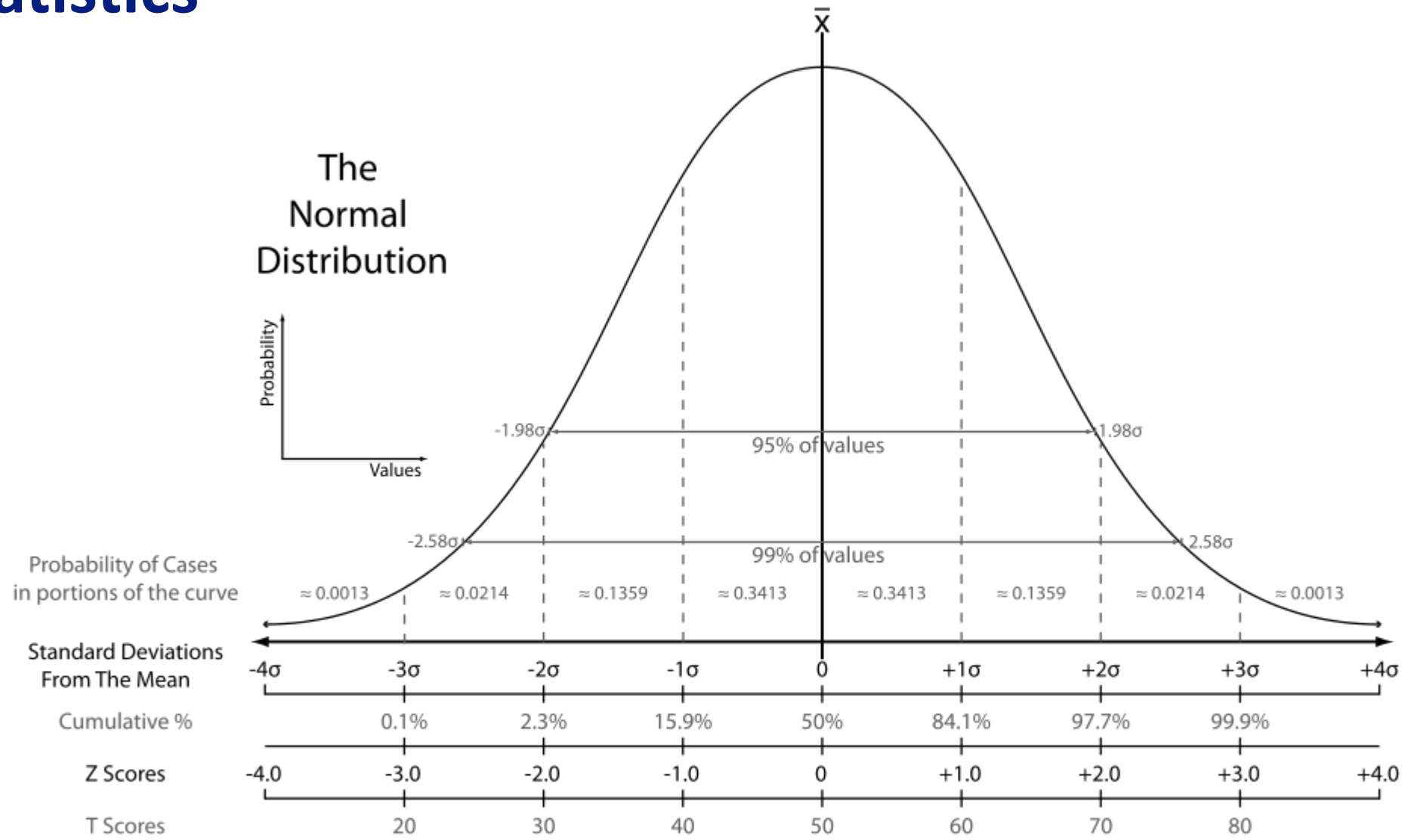
Is There A Better Way?

- Risk Based Approach
- A Common Assessment
- Taking actions that add value (ROI)

What Can You Do?

- Figure out what's important
- Rank them all
- Group them into buckets
- Approach the buckets differently
- (Tell Mgmt you're doing this)

Statistics



Return On Investment

- Define your metrics
- How significant are the vendors you're using?
- How much do they mean to your business?
- What would happen if they had a breach, or went out of business?
- How does any assessment you do help support your business?

Statistics: 1- Start with a Perfect World

- What are all of the variables that you could use to differentiate your vendors?
 - Demographics (Industry, Size, Location)
 - History (Years in business,
 - Functions (what will they be doing, how do they do it)
 - Effectiveness (Regulated?, Certifications?...)

Statistics 2: Adjust For The Real World

- Do you have all of this data?
- How easily accessible is it?

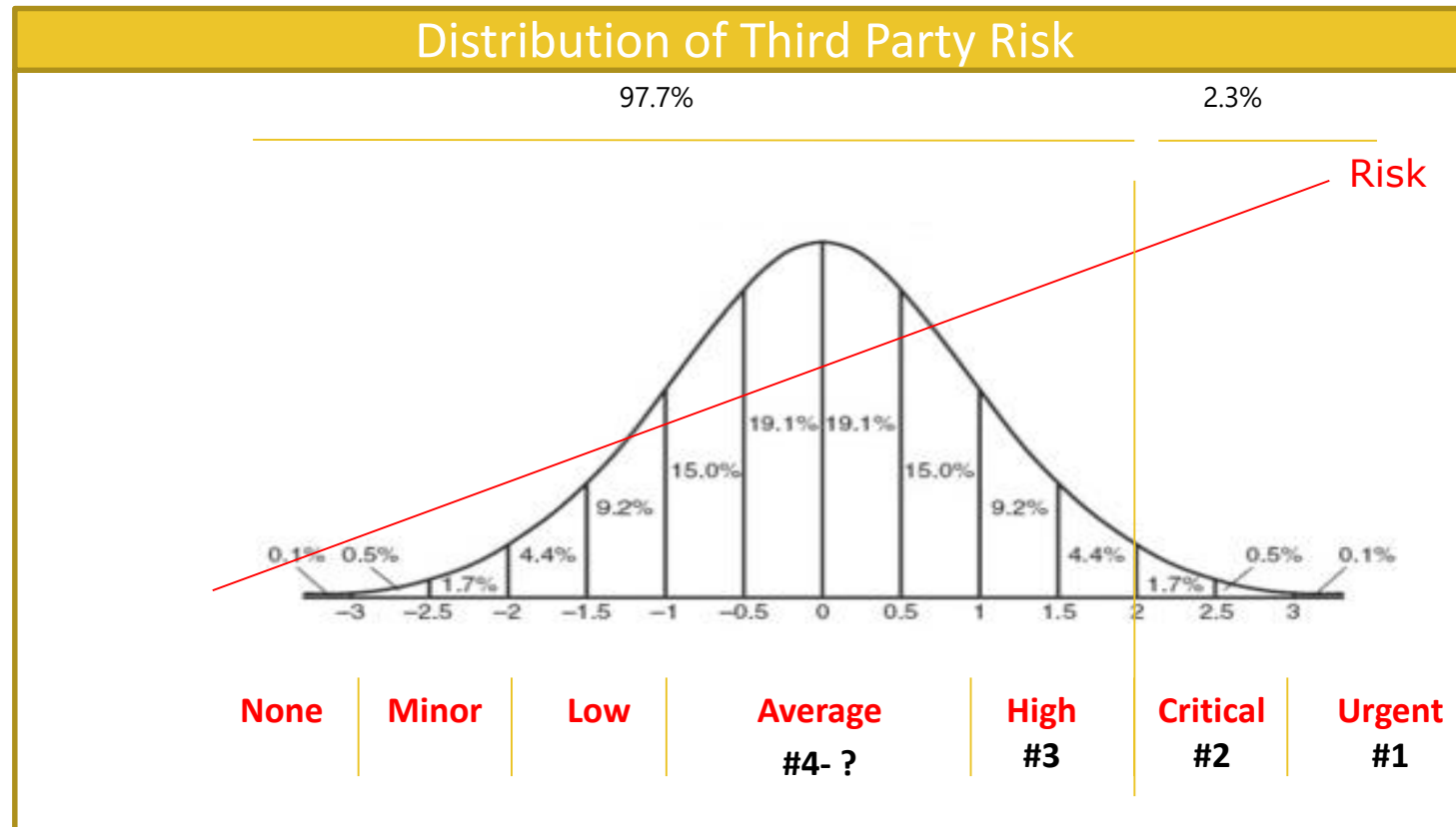
Statistics 3 – Do the Analysis

- Regression Analysis of variables (What data is more impactful than others?)
- Example
 - Does Location make any difference on risk?
 - How much more significant a difference on risk is Being Regulated

Statistics: 4- Compare The Past To The Future

- Collect the same data from current and future third parties
- Apply the past results to the future

What Will You End Up With?



Action 1: Review Contracts

- Partner with groups that sign contracts: Procurement, Finance, Facilities, Marketing, etc.
- Get appropriate insight into the contracts
- Create a Standard Process for them to Alert and/or Involve your team

Action 2: Develop Standardized Contract Language

- Review the most common aspects that come up and develop standard contract language
 - A. Always Use
 - B. Be selective with this
 - C. Carefully use this
 - D. Don't Ever

Action 3: Inventory Your Third Parties

- Partner with groups that have insight into your third parties: Legal, Procurement, Finance, Facilities, IT, etc. Quick Trick: Check your Accounts Payable!
- Check for Free applications (ask you IT Management team)!
- Remember the first rule of risk is understand the full landscape of what it is that you have to protect
- Develop an appropriate tracking system to identify them and manage their risk

Action 4: Determine What Services Are Critical

- Understand which services you contract on that are critical functions
- Assess the level of risk involved
- Develop a tiering model for the level of risk
- Get alignment on your model from the appropriate senior leadership

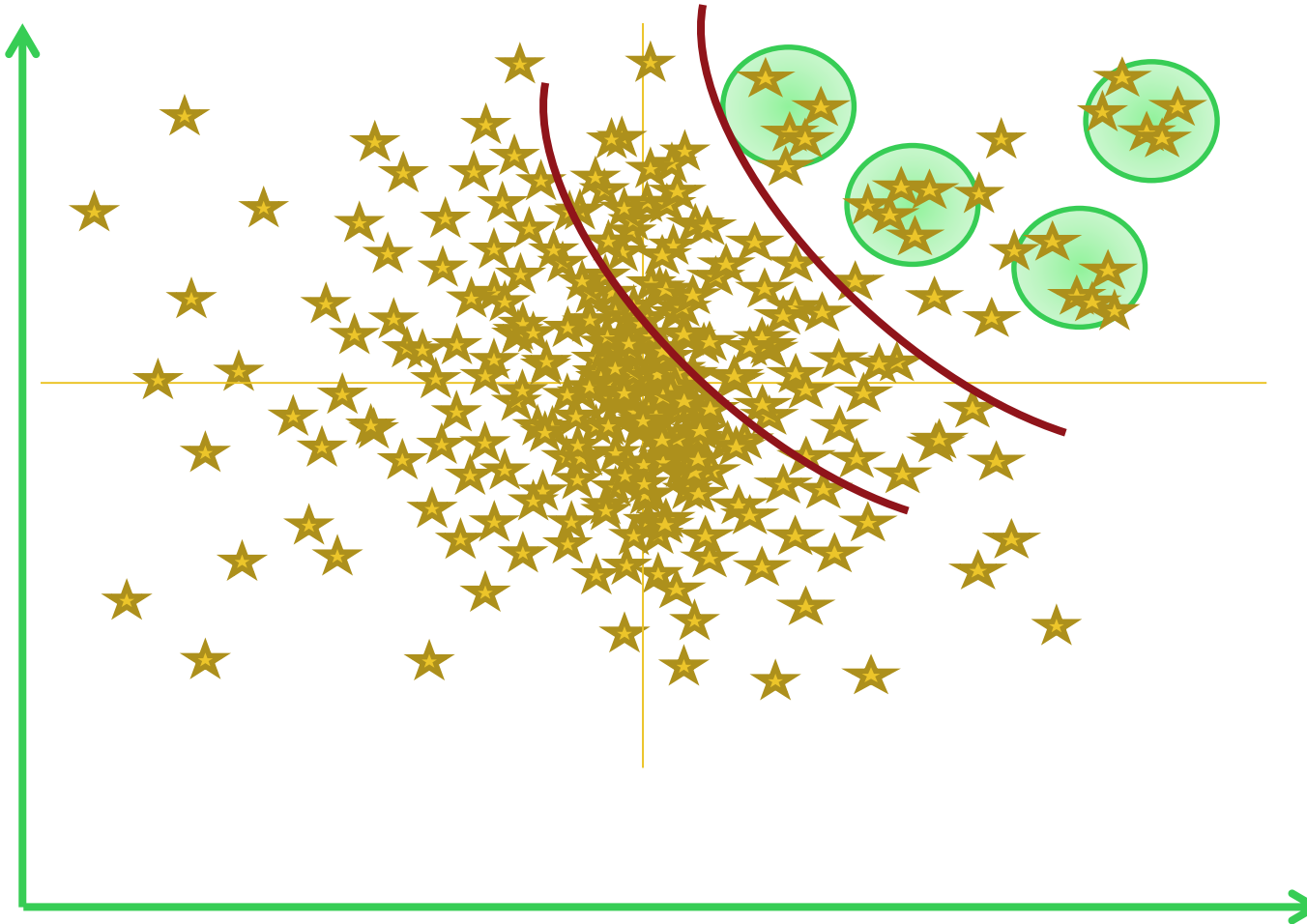
Some Sample Services

- Web-Based Applications
 - Are they built securely? Tested? How often? By Whom?
- Network Connectivity
 - Who has access? What can they do? Who validates this?
- Contractors
 - Partner with HR and Legal to review what your policies for employees are and determine how this should differ
 - Background Checks, System Access, other major policies



Risk Map

Impact to
our Business



Level of Risk

Action 5: Define Your Tools

- What Tools do you use?
 - Questionnaires
 - On-site Audits
 - Phone Consults with SME's (Privacy, Architects, etc.)
 - Video Conferencing
 - External Attestations
 - Automated control attestations
 - Third Party Services that review Third Parties
 - Risk-Based Points systems
 - Contracts

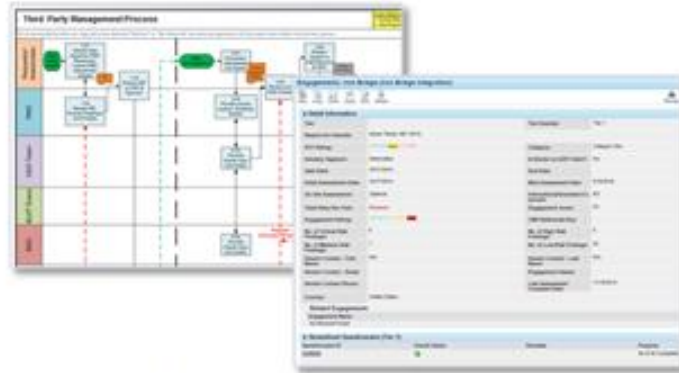


Action 6: Develop Your Program

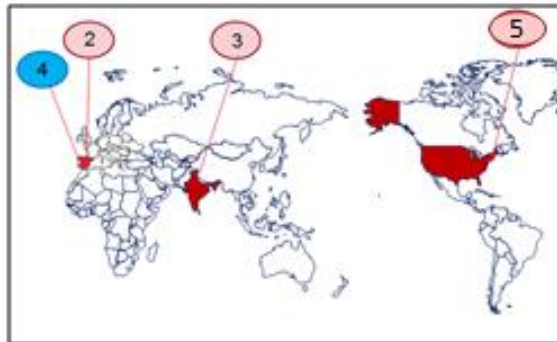
- Define what measures and tools you have/ will develop
- Determine which tools you will use for which tiers of risk
- Get alignment on your program from the appropriate senior leadership

New Tools

- Process Flows and Tracking



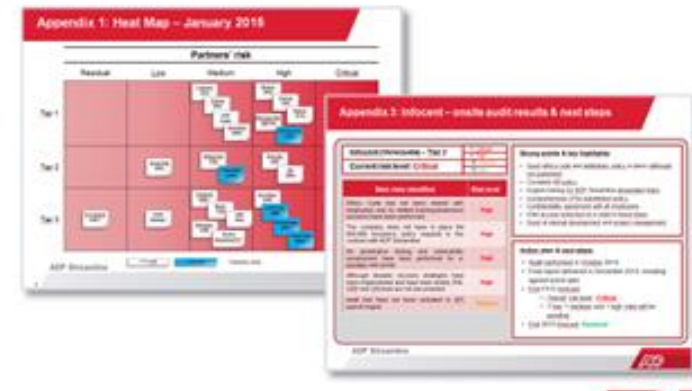
- Global or Business Unit Lens



- Different Tools



- Targeted Reporting and Metrics



RSA[®]Conference2019 **Asia Pacific & Japan**

Questions?

