



CompTIA Data Match Program

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12/17/2014

CompTIA®

Agenda

Agenda

- Good to know
- File structure
- How to interpret the data
- Questions



Good to know

Good to know.

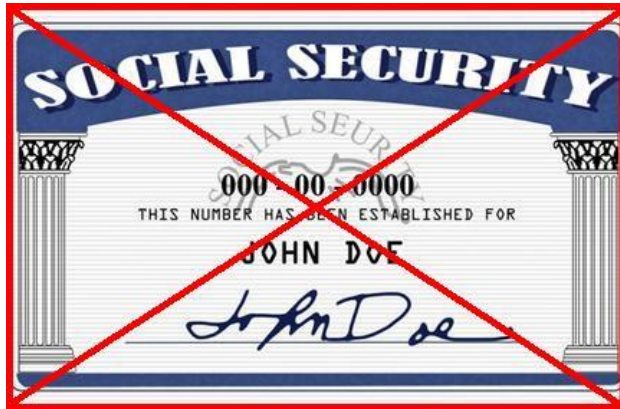


Good to know..

- JK0 = CompTIA Academic exams



Good to know...



Good to know....

Do you know what **NAZ** means?

Name Address ZIP code



By AcronymsAndSlang.com



Good to know.....

- First Name & Last Name only
- No prefix, suffix, middle initial or middle name fields

| | |
|-----------------|------------|
| Kyle | Daughtry |
| Darrel W | Kostka |
| Courtney Noelle | Redmond |
| James D | Snow |
| Brett E | Earhart Jr |

File Structure

Excel spreadsheet

- Microsoft Excel
- 3 tabs
 - Data Structure
 - Certified
 - Exam taken



Data structure (Tab 1)

OK 080109 073114 Final 12AUG14 - Microsoft

File Home Insert Page Layout Formulas Data Review View Developer Add-Ins

Clipboard Font Alignment Number

| | A | B | C |
|----|--|---------------------------------|---|
| 1 | Date Range: 8/1/2009 to 7/31/2014 | | |
| 2 | | | |
| 3 | Certification Mailing List Report | Exam Mailing List Report | Description |
| 4 | Client_ID | Client_ID | |
| 5 | Last_Update | Last_Update | |
| 6 | First_Name | First_Name | First Name and possibly middle initial |
| 7 | Last_Name | Last_Name | Last Name |
| 8 | Email | Email | |
| 9 | Company | Company | |
| 10 | Address_1_Bad | Address_1_Bad | |
| 11 | Address_1_Line_1 | Address_1_Line_1 | Street address / Typically home address |
| 12 | Address_1_Line_2 | Address_1_Line_2 | Suite / Apt / Unit / Other descriptor |
| 13 | Address_1_Line_3 | Address_1_Line_3 | Other descriptor / Rarely used |
| 14 | Address_1_City | Address_1_City | City |
| 15 | Address_1_State | Address_1_State | State |
| 16 | Address_1_Postal_Code | Address_1_Postal_Code | Zip code / Typically 5 digits |
| 17 | Address_1_Country_Code | Address_1_Country_Code | |
| 18 | Address_1_Country_Name | Address_1_Country_Name | |
| 19 | Region_Name | Region_Name | |
| 20 | Address_1_Phone_Number | Address_1_Phone_Number | Phone number / Optional |
| 21 | Address_1_Fax_Number | Address_1_Fax_Number | |
| 22 | Address_2_Bad | Address_2_Bad | |
| 23 | Address_2_Line_1 | Address_2_Line_1 | |
| 24 | Address_2_Line_2 | Address_2_Line_2 | |
| 25 | Address_2_Line_3 | Address_2_Line_3 | |

Certs (Tab 2)

OK 080109 073114 Final 12AU

File Home Insert Page Layout Formulas Data Review View Developer Add-Ins

Cut Copy Paste Format Painter Clipboard

Calibri 11 A A

B I U Font

Alignment

General

Wrap Text Merge & Center \$ %

A32 COMP001005932231

| | A | B | C | D | E | F |
|----|----------------|-------------|-----------------|-------------|-----------------------------|--------------------|
| 1 | Client_ID | Last_Update | First_Name | Last_Name | Email | Company |
| 2 | COMP0010008301 | 8/15/2013 | Richard W | Clapp | skullonesk1@aol. | Interworks Inc. |
| 3 | COMP0010009441 | 10/16/2012 | Donna L | Shoemaker | DONNA.SHOEMAKER@TINKER.AF.M | |
| 4 | COMP0010010335 | 1/1/2013 | Frank J | Calderon | frank@ptechnical.com | |
| 5 | COMP0010010335 | 1/1/2013 | Frank J | Calderon | frank@ptechnical.com | |
| 6 | COMP0010012532 | 7/27/2012 | James | Kable | james@jkable.net | |
| 7 | COMP0010012532 | 7/27/2012 | James | Kable | james@jkable.net | |
| 8 | COMP0010012532 | 7/27/2012 | James | Kable | james@jkable.net | |
| 9 | COMP0010012532 | 7/27/2012 | James | Kable | james@jkable.net | |
| 10 | COMP0010012532 | 7/27/2012 | James | Kable | james@jkable.net | |
| 11 | COMP0010016936 | 4/11/2013 | William Kenneth | Freeman III | william.freeman@ | Department of De |
| 12 | COMP0010017062 | 12/3/2013 | Roy | Nielsen | roy@roynielsen.c | Usaf Civil Service |
| 13 | COMP0010018199 | 12/15/2009 | Alan D | Bannet | abannet@cox.net | |
| 14 | COMP0010019178 | 10/25/2012 | Anna | McKenzie | anna_m_79@yahoo.com | |
| 15 | COMP0010019616 | 7/4/2012 | Andy | Caldwell | andy.caldwell@y | USAF |
| 16 | COMP0010024080 | 2/7/2014 | Mark J | Carson | mark.j.carson@at | StatSoft |
| 17 | COMP0010024080 | 2/7/2014 | Mark J | Carson | mark.j.carson@at | StatSoft |
| 18 | COMP0010024080 | 2/7/2014 | Mark J | Carson | mark.j.carson@at | StatSoft |
| 19 | COMP0010027612 | 6/27/2011 | Blane | Boyer | blaneboyer@sbc | Best Buy Geek Sq |
| 20 | COMP0010027781 | 5/7/2011 | Mohammed A | Aleem | aleem2195@yahoo.com | |
| 21 | COMP0010028684 | 3/29/2014 | Leonard N | McGee | mcgeelen@aim.com | |
| 22 | COMP0010028684 | 3/29/2014 | Leonard N | McGee | mcgeelen@aim.com | |
| 23 | COMP0010028684 | 3/29/2014 | Leonard N | McGee | mcgeelen@aim.com | |
| 24 | COMP0010037643 | 4/16/2011 | Ray M | Cady | rmcady@francistuttle.edu | |
| 25 | COMP0010039428 | 11/18/2013 | Ariadna D | Santos | ariadnac88@gmail | Usaf |

Data Structure OK Certs OK Exams

Exams (Tab 3)

OK 080109 073114 Final 12A

File Home Insert Page Layout Formulas Data Review View Developer Add-Ins

Cut Copy Paste Format Painter Clipboard

Calibri 11 A⁺ A⁻ B I U Font

Wrap Text Merge & Center Alignment

General \$ % Num

A42 COMP001006287817

| | A | B | C | D | E | F |
|----|----------------|-------------|-----------------|-------------|-----------------------------|--------------------|
| 1 | Cleint_ID | Last_Update | First_Name | Last_Name | Email | Company |
| 2 | COMP0010008301 | 8/15/2013 | Richard W | Clapp | skullonesk1@aol. | Interworks Inc. |
| 3 | COMP0010009441 | 10/16/2012 | Donna L | Shoemaker | DONNA.SHOEMAKER@TINKER.AF.M | |
| 4 | COMP0010010335 | 1/1/2013 | Frank J | Calderon | frank@ptechnical.com | |
| 5 | COMP0010012532 | 7/27/2012 | James | Kable | james@jkable.net | |
| 6 | COMP0010012532 | 7/27/2012 | James | Kable | james@jkable.net | |
| 7 | COMP0010012532 | 7/27/2012 | James | Kable | james@jkable.net | |
| 8 | COMP0010012532 | 7/27/2012 | James | Kable | james@jkable.net | |
| 9 | COMP0010012532 | 7/27/2012 | James | Kable | james@jkable.net | |
| 10 | COMP0010016936 | 4/11/2013 | William Kenneth | Freeman III | william.freeman@ | Department of De |
| 11 | COMP0010017062 | 12/3/2013 | Roy | Nielsen | roy@roynielsen.c | Usaf Civil Service |
| 12 | COMP0010018199 | 12/15/2009 | Alan D | Bannet | abannet@cox.net | |
| 13 | COMP0010018199 | 12/15/2009 | Alan D | Bannet | abannet@cox.net | |
| 14 | COMP0010019178 | 10/25/2012 | Anna | McKenzie | anna_m_79@yahoo.com | |
| 15 | COMP0010019178 | 10/25/2012 | Anna | McKenzie | anna_m_79@yahoo.com | |
| 16 | COMP0010019178 | 10/25/2012 | Anna | McKenzie | anna_m_79@yahoo.com | |
| 17 | COMP0010019616 | 7/4/2012 | Andy | Caldwell | andy.caldwell@y | USAF |
| 18 | COMP0010019616 | 7/4/2012 | Andy | Caldwell | andy.caldwell@y | USAF |
| 19 | COMP0010019990 | 5/16/2013 | Creston Dean | Simpson | crestonsimpson@ | yahoo.com |
| 20 | COMP0010024080 | 2/7/2014 | Mark J | Carson | mark.j.carson@at | StatSoft |
| 21 | COMP0010024080 | 2/7/2014 | Mark J | Carson | mark.j.carson@at | StatSoft |
| 22 | COMP0010027612 | 6/27/2011 | Blane | Boyer | blaneboyer@sbç | Best Buy Geek Sq |
| 23 | COMP0010027612 | 6/27/2011 | Blane | Boyer | blaneboyer@sbç | Best Buy Geek Sq |
| 24 | COMP0010027781 | 5/7/2011 | Mohammed A | Aleem | aleem2195@yaho | .com |
| 25 | COMP0010027781 | 5/7/2011 | Mohammed A | Aleem | aleem2195@yaho | .com |

Data Structure OK Certs OK Exams

How to interpret the data

Next steps

- Tabs 2 & 3 exactly what you think
 - Individuals Certified
 - Exams taken by Individual
- In theory:

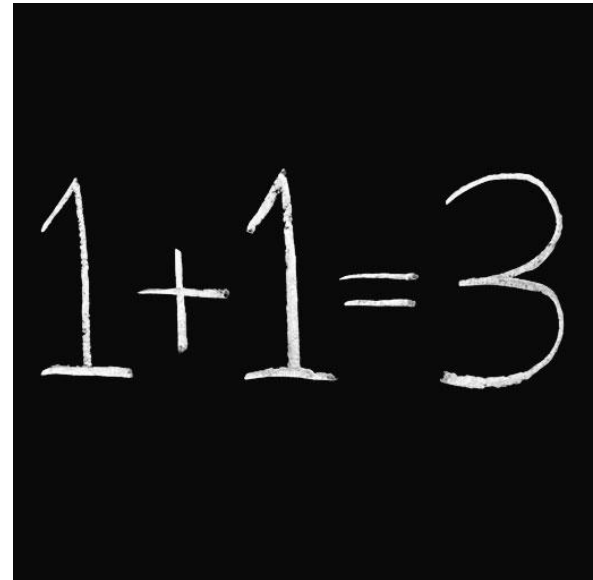
Certified / Exams = Pass Rate

- True, but additional considerations



Additional consideration #1 – The A+ Exam

- A+ Exam consists of 2 exams
- Need to pass both exams to Certify
- Scenario
 - Individual takes exam #1 and passes
 - Takes exam #2 and does not pass
 - Takes exam #3 and passes
 - Exams taken will have 3 entries
 - Certifications will have 1 entry
- Normalize exams taken for pass rate



Additional consideration #2 – Continuing Ed Program

- Continuing Education program started 1/1/2011
- Select exams carry a 3 year expiration date
 - Retest
 - Participate in CE program
- What is different in the data?
 - A+
 - A+ ce
- Scenario
 - Individual passed the A+ exam
 - In 3 years successfully participated in the CE program
 - Certification file lists both A+ and A+ ce
- Normalize certifications for pass rate by removing “ce” exams



Decision

Decide how to handle scenario where individual has not passed an exam and has retaken the exam again and passed.

Scenario

- Individual takes the Security+ exam and does not pass
- Takes the exam again and passes

Pass rate calculation

- If include all exams taken is 50%
 - If factor out not passing but eventually passing it is 100%
- Difference
 - Pure by the numbers approach
 - Driven by individual and either passed or did not

Process...

1. Based on “not passing” decision, you may want to normalize the Exam file by removing all extra exams (all exams including A+) taken by an individual if they subsequently passed the Exam
2. Normalize the Certification file by removing all “ce” exams
3. Calculate the pass rate



Process.....

- Map CompTIA data to external systems



Questions?

Thank you