

4.11 Assessment Data Exploration Using Excel 2010 Slicers

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Purpose of Session

- Demonstrate how to use slicers, data mining statistical analysis tools, build interactive presentation reports, and publish results to the web to share with others.

Start with data set



[Query Manual](#)

Washington Query is a data management and reporting system that allows you to analyze data and create reports for the following assessments: HSPE, MSP, HSPB, MSPB, PORT, DAPE, WASL, WABA, and DAWL.

SECURE DATA: This application contains confidential student information that is subject to state and federal individual privacy laws. This data must be kept secure at all times. Access and use are restricted to authorized school personnel only.

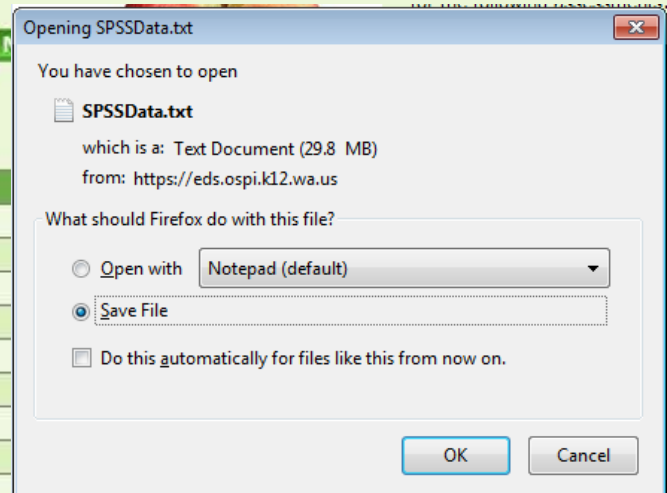
Organization: Tacoma School District (27010)

School Year: 2010-2011

Data Version: Spring Test Administration

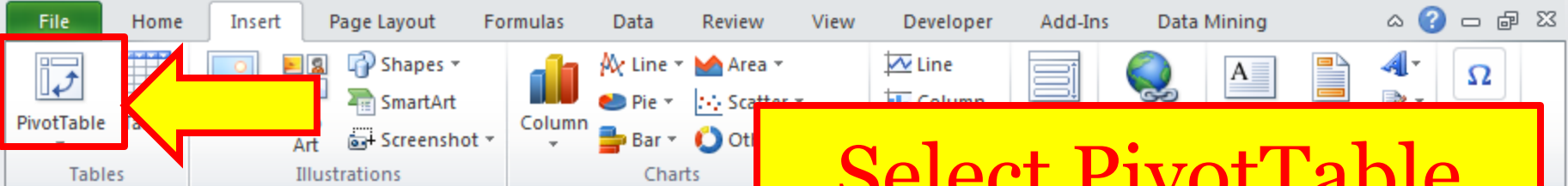
Data Version

- [3rd Grade Spring Test Administration](#)
- [4th Grade Spring Test Administration](#)
- [5th Grade Spring Test Administration](#)
- [6th Grade Spring Test Administration](#)
- [7th Grade Spring Test Administration](#)
- [8th Grade Spring Test Administration](#)
- [9th Grade Spring Test Administration](#)
- [10th Grade Spring Test Administration](#)
- [11th Grade Spring Test Administration](#)
- [12th Grade Spring Test Administration](#)



...or download a file in SPSS Syntax

2010-2011 Spring Test Administration [Text File](#)



Select PivotTable or PivotChart

| A1 | SchoolName | | | | | | | | | | | | | | |
|------------|-------------|----------|----------|----------|------------|---------|---------|---------|---------|----------|----------|---------|----|-----|--|
| A | BCDE | F | G | H | I | J | K | L | M | N | O | | | | |
| SchoolName | StudentLast | StudentF | StudentD | StudentC | StudentB | ngGrade | ngGrade | thGrade | seGrade | totalRaw | ileScore | Attempt | | | |
| 1 | | | | | | | | | | | | | | | |
| 2 | A GIAUDRONE | AN | 2 | F | 02/24/1999 | | | | | | | | | | |
| 3 | A GIAUDRONE | AK | 4 | F | 02/10/1999 | | | | | | | | | | |
| 4 | A GIAUDRONE | AJ | 5 | M | 02/17/1999 | | | | | | | | | | |
| 5 | A GIAUDRONE | AT | 6 | F | 12/27/1998 | | | | | | | | | | |
| 6 | A GIAUDRONE | AK | 2 | F | 01/08/1999 | | | | | | | | | | |
| 7 | A GIAUDRONE | AD | 8 | M | 04/26/1999 | | | | | | | | | | |
| 8 | A GIAUDRONE | AE | 3 | F | 06/21/1999 | | | | | | | | | | |
| 9 | A GIAUDRONE | AC | 8 | F | 09/01/1998 | | | | | | | | | | |
| 10 | A GIAUDRONE | AE | 9 | M | 02/03/1999 | 06 | 06 | 06 | 12 | 364 | TS | MSP | L1 | NO | |
| 11 | A GIAUDRONE | AD | 4 | F | 08/06/1999 | 06 | 06 | 06 | 28 | 407 | TS | MSP | L3 | YES | |
| 12 | A GIAUDRONE | AK | 6 | F | 11/06/1998 | 06 | 06 | 06 | 26 | 401 | TS | MSP | L3 | YES | |
| 13 | A GIAUDRONE | EL | 1 | F | 08/24/1999 | 06 | 06 | 06 | 34 | 428 | TS | MSP | L4 | YES | |
| 14 | A GIAUDRONE | ED | 3 | F | 03/10/1999 | 06 | 06 | 06 | 15 | 373 | TS | MSP | L1 | NO | |
| 15 | A GIAUDRONE | EL | 4 | F | 11/07/1997 | 06 | 06 | 06 | 10 | 258 | TS | MSP | L1 | NO | |

Create PivotTable

Choose the data that you want to analyze

- Select a table or range

Table/Range:
- Use an external data source

Choose Connection...

Connection name:

Choose where you want the PivotTable report to be placed

- New Worksheet
- Existing Worksheet

Location:

OK Cancel

| Writing | WritingMet | WritingComple | Math | MathSc | Math | Math | Math |
|---------|------------|---------------|------|--------|------|------|------|
| | | | 5 | 320 | TS | MSP | L1 |
| | | | 27 | 424 | TS | MSP | L3 |
| | | | 26 | 419 | TS | MSP | L3 |
| | | | 18 | 387 | TS | MSP | L2 |
| | | | 21 | 400 | TS | MSP | L3 |
| | | | 8 | 340 | TS | MSP | L1 |
| | | | 31 | 444 | TS | MSP | L4 |
| | | | 8 | 340 | TS | MSP | L1 |
| | | | 8 | 340 | TS | MSP | L1 |
| | | | 20 | 395 | TS | MSP | L2 |
| | | | 32 | 450 | TS | MSP | L4 |
| | | | 34 | 463 | TS | MSP | L4 |
| | | | 8 | 340 | TS | MSP | L1 |
| | | | 7 | 324 | TS | MSP | L1 |

WCAP-Complete-2011Ver2.xlsx - Microsoft Excel

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

PivotTable Tools

Clipboard Font Alignment

General Conditional Formatting Insert Delete

Build Chart for Reading Standard

| Row Labels | Count of RdSTD |
|--------------------|----------------|
| | 3966 |
| NO | 6052 |
| YES | 8884 |
| (blank) | |
| Grand Total | 18902 |

PivotTable Field List

Choose fields to add to report:

- SchoolName
- StudentDistrictID
- StudentGender
- StudentBirthDate
- ReportingGrade
- ReadingGrade
- WritingGrade
- MathGrade
- ScienceGrade
- ReadingTotalRaw
- ReadingScaleScore
- ReadingAttempt
- ReadingTestType
- ReadingLevel
- RdSTD**
- WritingTotalRaw
- WritingScaleScore
- WritingAttempt
- WritingTestType
- WritingLevel
- WritingMetStandard

Report Filter

Column Labels

Row Labels

RdSTD

Values

Count of RdSTD

Defer Layout Update Update

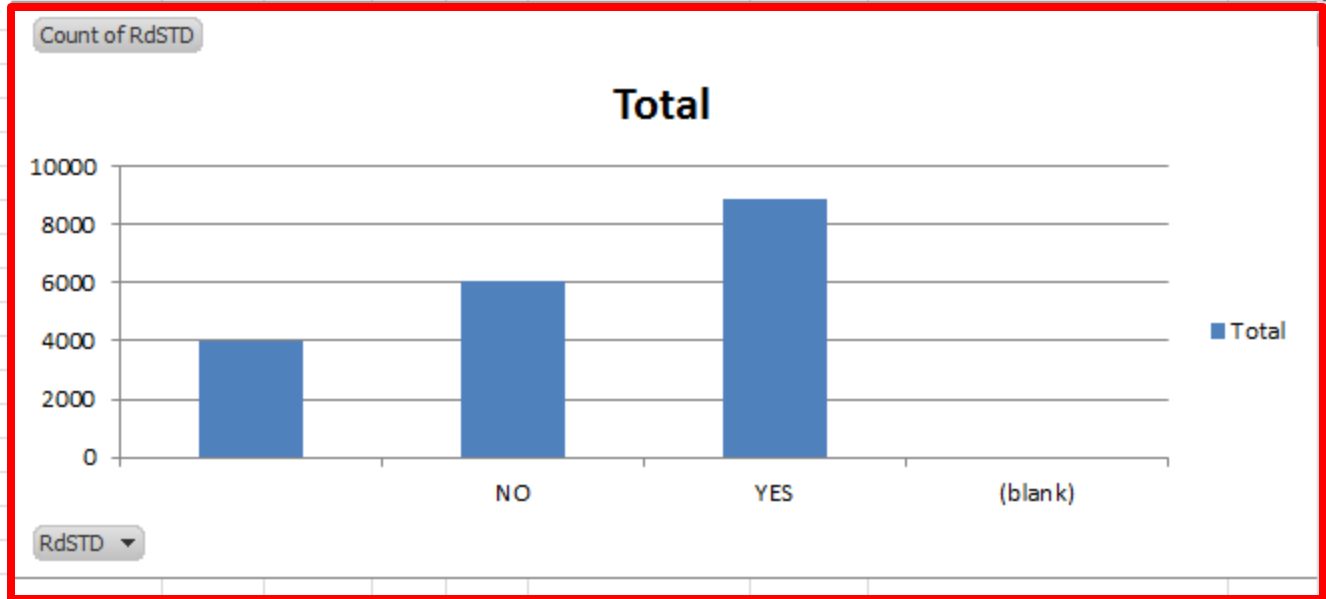
Sheet1

Ready 100%

Preliminary Chart

A12 *fx*

| Row Labels | Count of RdSTD |
|--------------------|----------------|
| | 3966 |
| NO | 6052 |
| YES | 8884 |
| (blank) | |
| Grand Total | 18902 |



WCAP-Complete-2011Ver2.xlsx - Microsoft Excel

File Home **Insert** Page Layout Formulas Data Review View Developer Add-Ins Data Mining Design Layout Format Analyze

PivotTable Table Picture Clip Art SmartArt Screenshot Shapes Line Area Line Column Scatter Win/Loss Sparklines Filter Slicer Hyperlink Text Box Header & Footer Symbols

| | A | B | C | D | E | F | G | H | I |
|----|-------------|----------|---|---|---|---|---|---|---|
| 1 | Row Labels | Count of | | | | | | | |
| 2 | NO | 40.52% | | | | | | | |
| 3 | YES | 59.48% | | | | | | | |
| 4 | Grand Total | 100.00% | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| 16 | | | | | | | | | |
| 17 | | | | | | | | | |
| 18 | | | | | | | | | |

Percent Mtg Reading Std

| Category | Percentage |
|----------|------------|
| NO | 41% |
| YES | 59% |

Insert Slicers

- SchoolName
- StudentDistrictID
- StudentGender
- StudentBirthDate
- ReportingGrade
- ReadingGrade
- WritingGrade
- MathGrade
- ScienceGrade
- ReadingTotalRaw
- ReadingScaleScore
- ReadingAttempt
- ReadingTestType
- ReadingLevel
- RdSTD
- WritingTotalRaw
- WritingScaleScore
- WritingAttempt
- WritingTestType
- WritingLevel
- WritingMtgStandard

OK Cancel

Revise Chart and Ready for Slicers

WCAP-Complete-2011Ver2.xlsx - Microsoft Excel

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

Slicer Caption: CEDARS_SpecialEd

PivotTable Connections

Slicer Styles

Bring Forward Send Backward Columns: 1 Height: 2.6"

Height: 0.25"

Various Slicers Selected

| Row Labels | Count of RdSTD |
|--------------------|----------------|
| NO | 40.52% |
| YES | 59.48% |
| Grand Total | 100.00% |

SchoolName

StudentGender

ReadingGrade

CEDARS_RaceEthnicit...

CEDARS_MultipleRac...

CEDARS_EIIBilingual

CEDARS_FREligibility

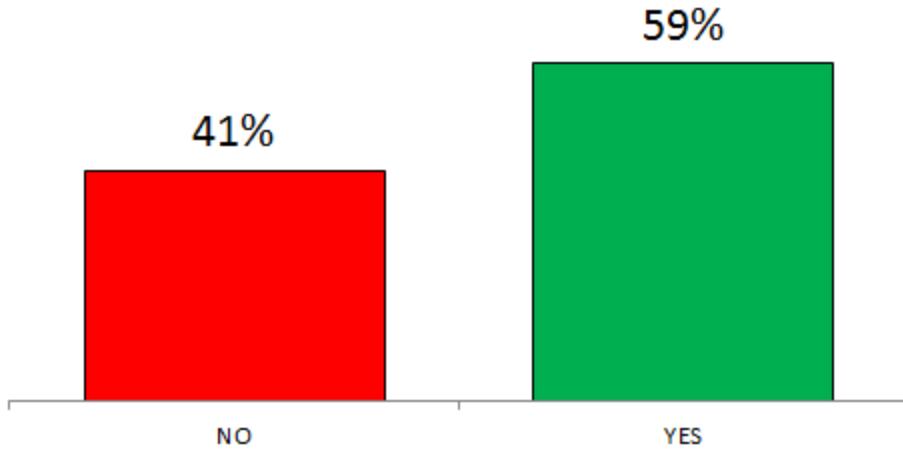
CEDARS_SpecialEd

RdChart WCAP-Complete-2011

Ready 100%

Ready

Percent Mtg Reading Std



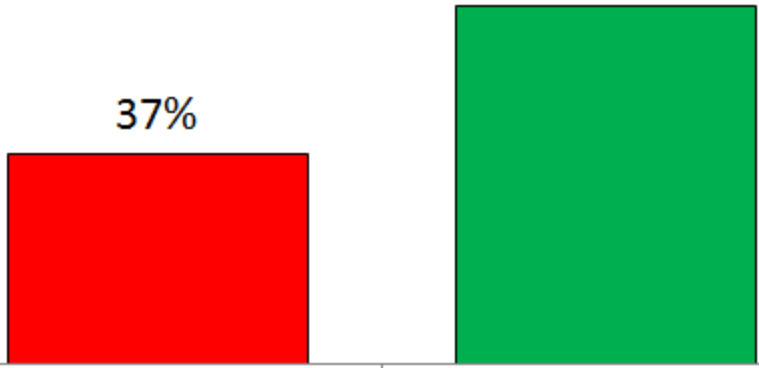
| | | |
|---|---|--|
| Gender <input type="radio"/> F <input type="radio"/> M | ELL <input type="radio"/> N <input type="radio"/> Y | Ethnicity <input type="radio"/> Am Ind <input type="radio"/> Asian <input type="radio"/> Black <input type="radio"/> Hisp... <input type="radio"/> Multi <input type="radio"/> Pac Is <input type="radio"/> White <input type="radio"/> (blank) |
| FRL <input type="radio"/> N <input type="radio"/> Y | SPED <input type="radio"/> N <input type="radio"/> Y | Grade <input type="radio"/> 03 <input type="radio"/> 04 <input type="radio"/> 05 <input type="radio"/> 06 <input type="radio"/> 07 <input type="radio"/> 08 <input type="radio"/> 10 |

| School | |
|---------------------|-------------------|
| A GIAUDRONE | ARI |
| BAKER | BIRNEY |
| BLIX | BOZE |
| BROWNS POINT | BRYANT |
| COMM BASED TRANS... | CRESCENT HEIGHTS |
| DELONG | DOWNING |
| EDISON | FAWCETT |
| FERN HILL | FIRST CREEK |
| FOSS | FRANKLIN |
| GEIGER | GRANT |
| GRAY | HELEN B. STAFFORD |
| HOME BASED | JASON LEE |
| JEFFERSON | LARCHMONT |
| LINCOLN | LISTER |
| LOWELL | LYON |
| MANITOU PARK | MANN |
| MASON | MCCARVER |

Percent Mtg Reading Std

63%

37%



NO

YES

| | | |
|--|--|---|
| Gender <input type="radio"/> F <input checked="" type="radio"/> M | ELL <input type="radio"/> N <input checked="" type="radio"/> Y | Ethnicity <input type="radio"/> Am Ind <input type="radio"/> Asian <input type="radio"/> Black <input type="radio"/> Hisp... <input type="radio"/> Multi <input type="radio"/> Pac Is <input checked="" type="radio"/> White <input type="radio"/> (blank) |
| FRL <input type="radio"/> N <input checked="" type="radio"/> Y | SPED <input type="radio"/> N <input checked="" type="radio"/> Y | Grade <input checked="" type="radio"/> 03 <input type="radio"/> 04 <input type="radio"/> 05 <input type="radio"/> 06 <input type="radio"/> 07 <input type="radio"/> 08 <input type="radio"/> 10 |

School

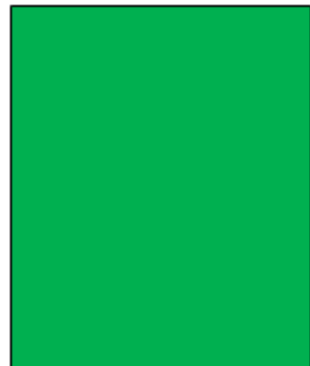
| | |
|-----------|----------|
| ARLINGTON | BIRNEY |
| BLIX | BOZE |
| B... | |
| C... | |
| D... | |
| F... | |
| F... | |
| G... | |
| H... | |
| L... | |
| L... | |
| L... | |
| M... | |
| M... | |
| N... | |
| P... | |
| ROOSEVELT | SHERIDAN |

Example:
Grade = 3
Gender = Male
Ethnicity = White
FRL = Yes

Percent Mtg Reading Std

83%

17%



NO

YES

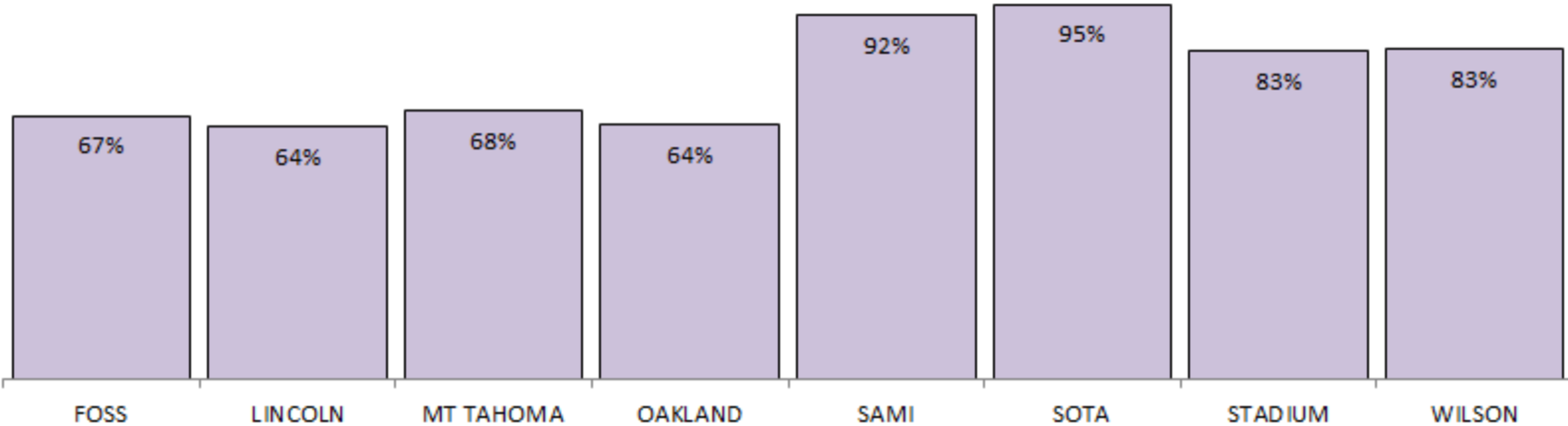
| | | |
|--|--|---|
| Gender <input type="radio"/> F <input checked="" type="radio"/> M | ELL <input type="radio"/> N <input checked="" type="radio"/> Y | Ethnicity <input type="radio"/> Am Ind <input type="radio"/> Asian <input type="radio"/> Black <input type="radio"/> Hisp... <input type="radio"/> Multi <input type="radio"/> Pac Is <input checked="" type="radio"/> White <input type="radio"/> (blank) |
| FRL <input checked="" type="radio"/> N <input type="radio"/> Y | SPED <input type="radio"/> N <input checked="" type="radio"/> Y | Grade <input checked="" type="radio"/> 03 <input type="radio"/> 04 <input type="radio"/> 05 <input type="radio"/> 06 <input type="radio"/> 07 <input type="radio"/> 08 <input type="radio"/> 10 |

School

| | |
|-----------|---------|
| ARLINGTON | BIRNEY |
| BLIX | BOZE |
| B... | |
| C... | |
| D... | |
| F... | |
| F... | |
| G... | |
| H... | |
| J... | |
| L... | |
| L... | |
| M... | |
| M... | |
| N... | |
| R... | |
| SHERMAN | SKYLINE |

Example:
 Same data but
 changed to
 FRL = No

Percent Mtg Reading Std



Gender

F

M

ELL

N

Y

Ethnicity

Am Ind Asian Black Hisp...

Multi Pac Is White (blank)

FRL

N

Y

SPED

N

Y

Grade

03 04 05 06

07 08 10

**Example:
By School
Chart**