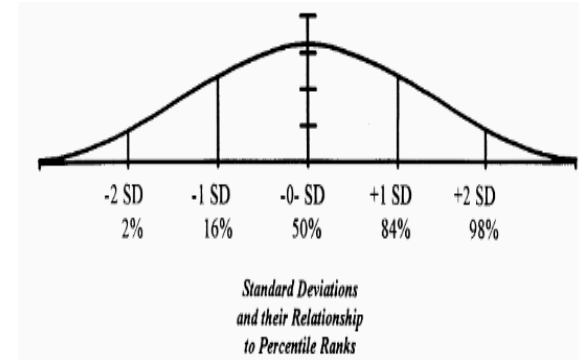


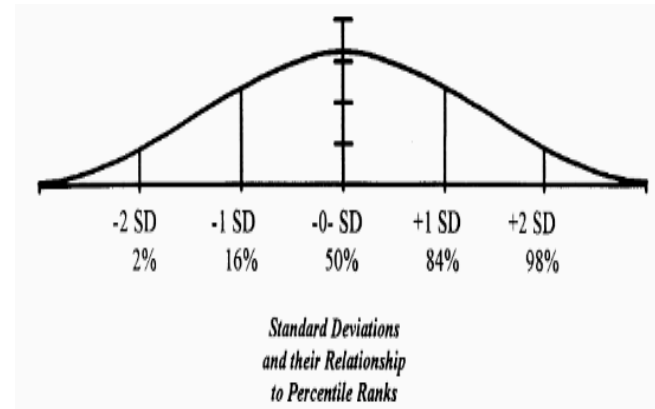
	A	B	C	D	E	F	G	H	I	J
1	Enrolled in Wagner Peyser vs. WIOA Analysis - By Race									
2	Favored Group	Category								
3	White	Wagner Peyser								
4	White	WIOA								
5	White	Not Enrolled in WIOA		0						
6										
7	Unfavored Group									
8	Asian	Wagner Peyser								
9	Asian	WIOA								
10	Asian	Not Enrolled in WIOA		0						
11										
12		Calculate 1 Standard Error								
13		P = Overall Rate getting Enrolled		#DIV/0!						
14		1 - P		#DIV/0!						
15		nF = Number of Favored Group Males are the favored group		0						
16		1 / n _F		#DIV/0!						
17		nNF = Number of Non Favored Group		0						
18		1 / n _{NF}		#DIV/0!						
19		1 Standard Error <i>a technical term that I always used to call the standard deviation</i>		#DIV/0!						
20										
21		Calculate Difference in Rates of Getting to Point B								
22		Rate for Favored		#DIV/0!						
23		Rate for Unfavored		#DIV/0!						
24		difference		#DIV/0!						
25										
26		Calculate Number of Standard Deviations		#DIV/0!						
27										
28		Notes about Standard Deviations								
29		1. The standard deviation analysis looks at the probability that the difference in rates is due to chance.								
30		2. Technically, this is a two independent sample binomial test								
31		3. Differences greater than 2.0 standard deviations is generally what suggests possible discrimination								
32		4. The 2.0 standard deviation represents a less than 5.0% chance that the difference in rates is due to chance.								
33		5. Another way to think about it is that if the SD is greater than 2.0, there is something that is controlling the process because there is less than 5% chance that the difference was caused by chance.								

Analysis Summary	
Location	
FY	
Analysis	Registered/Enrolled by Race
Data Source	SDWORKS/Detailed Reports - Enrolled Individual & Registered Individual reports.
Purpose of Report	Compare registered to enrolled participants of a favored group and unfavored group by race to determine if there is any indication of discrimination.
Report Summary	



$$\sqrt{p \times (1 - p) \times \left\{ \frac{1}{n_F} + \frac{1}{n_{NF}} \right\}}$$

	A	B	C	D	E	F	G	H	I	J														
1	Enrolled in Wagner Peyser vs. WIOA Analysis - By Gender																							
2	Favored Group	Category			<table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2" style="text-align: center;">Analysis Summary</th> </tr> </thead> <tbody> <tr> <td>Location</td> <td style="text-align: right;">0</td> </tr> <tr> <td>FY</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Analysis</td> <td>Registered/Enrolled by Gender</td> </tr> <tr> <td>Data Source</td> <td>SDWORKS/Detailed Reports - Enrolled Individual & Registered Individual reports.</td> </tr> <tr> <td>Purpose of Report</td> <td>Compare registered to enrolled participants of a favored group and unfavored group by gender to determine if there is any indication of discrimination.</td> </tr> <tr> <td>Report Summary</td> <td></td> </tr> </tbody> </table>						Analysis Summary		Location	0	FY	0	Analysis	Registered/Enrolled by Gender	Data Source	SDWORKS/Detailed Reports - Enrolled Individual & Registered Individual reports.	Purpose of Report	Compare registered to enrolled participants of a favored group and unfavored group by gender to determine if there is any indication of discrimination.	Report Summary	
Analysis Summary																								
Location	0																							
FY	0																							
Analysis	Registered/Enrolled by Gender																							
Data Source	SDWORKS/Detailed Reports - Enrolled Individual & Registered Individual reports.																							
Purpose of Report	Compare registered to enrolled participants of a favored group and unfavored group by gender to determine if there is any indication of discrimination.																							
Report Summary																								
3	Male	Wagner Peyser																						
4	Male	WIOA																						
5	Male	Not Enrolled in WIOA		0																				
6																								
7	Unfavored Group																							
8	Female	Wagner Peyser																						
9	Female	WIOA																						
10	Female	Not Enrolled in WIOA		0																				
11																								
12		Calculate 1 Standard Error																						
13		P = Overall Rate getting Enrolled		#DIV/0!																				
14		1 - P		#DIV/0!																				
15		nF = Number of Favored Group Males are the favored group		0																				
16		1 / n _F		#DIV/0!																				
17		nNF = Number of Non Favored Group		0																				
18		1 / n _{NF}		#DIV/0!																				
19		1 Standard Error <i>a technical term that I always used to call the standard deviation</i>		#DIV/0!																				
20																								
21		Calculate Difference in Rates of Getting to Point B																						
22		Rate for Favored		#DIV/0!																				
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$$\sqrt{p \times (1 - p) \times \left\{ \frac{1}{n_F} + \frac{1}{n_{NF}} \right\}}$$

Enrolled in Wagner Peyser vs. WIOA Analysis - By Age

2	Favored Group	Category	
3	15-39	Wagner Peyser	
4	15-39	WIOA	
5	15-39	Not Enrolled in WIOA	0
6			
7	Unfavored Group		
8	40-64	Wagner Peyser	
9	40-64	WIOA	
10	40-64	Not Enrolled in WIOA	0

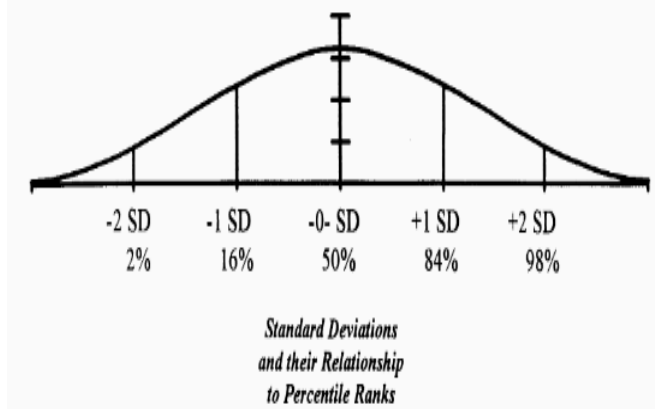
Analysis Summary	
Location	0
FY	0
Analysis	Registered/Enrolled by Age
Data Source	SDWORKS/Detailed Reports - Enrolled Individual & Registered Individual reports.
Purpose of Report	Compare registered to enrolled participants of a favored group and unfavored group by age to determine if there is any indication of discrimination.
Report Summary	

Calculate 1 Standard Error
 P = Overall Rate getting Enrolled #DIV/0!
 1 - P #DIV/0!
 nF = Number of Favored Group
 Males are the favored group 0
 1 / nF #DIV/0!
 nNF = Number of Non Favored Group
 0
 1 / nNF #DIV/0!
1 Standard Error
a technical term that I always used to call the standard deviation #DIV/0!

Calculate Difference in Rates of Getting to Point B
 Rate for Favored #DIV/0!
 Rate for Unfavored #DIV/0!
 difference #DIV/0!

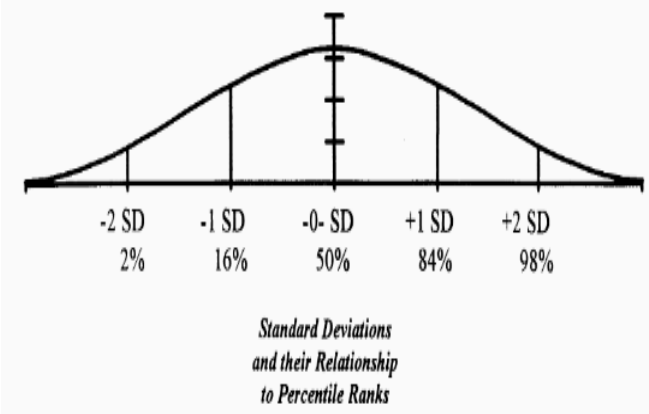
Calculate Number of Standard Deviations #DIV/0!

- Notes about Standard Deviations**
1. The standard deviation analysis looks at the probability that the difference in rates is due to chance.
 2. Technically, this is a two independent sample binomial test
 3. Differences **greater than 2.0 standard deviations** is generally what suggests possible discrimination
 4. The 2.0 standard deviation represents a less than 5.0% chance that the difference in rates is due to chance.
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$$\sqrt{p \times (1 - p) \times \left\{ \frac{1}{n_F} + \frac{1}{n_{NF}} \right\}}$$

	A	B	C	D	E	F	G	H	I	J														
1	Enrolled in Wagner Peyser vs. WIOA Analysis - By Disability																							
2	Favored Group	Category			<table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2" style="text-align: center;">Analysis Summary</th> </tr> </thead> <tbody> <tr> <td>Location</td> <td style="text-align: right;">0</td> </tr> <tr> <td>FY</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Analysis</td> <td>Registered/Enrolled by Disability</td> </tr> <tr> <td>Data Source</td> <td>SDWORKS/Detailed Reports - Enrolled Individual & Registered Individual reports.</td> </tr> <tr> <td>Purpose of Report</td> <td>Compare registered to enrolled participants of a favored group and unfavored group by disability to determine if there is any indication of discrimination.</td> </tr> <tr> <td>Report Summary</td> <td></td> </tr> </tbody> </table>						Analysis Summary		Location	0	FY	0	Analysis	Registered/Enrolled by Disability	Data Source	SDWORKS/Detailed Reports - Enrolled Individual & Registered Individual reports.	Purpose of Report	Compare registered to enrolled participants of a favored group and unfavored group by disability to determine if there is any indication of discrimination.	Report Summary	
Analysis Summary																								
Location	0																							
FY	0																							
Analysis	Registered/Enrolled by Disability																							
Data Source	SDWORKS/Detailed Reports - Enrolled Individual & Registered Individual reports.																							
Purpose of Report	Compare registered to enrolled participants of a favored group and unfavored group by disability to determine if there is any indication of discrimination.																							
Report Summary																								
3	No	Wagner Peyser																						
4	No	WIOA																						
5	No	Not Enrolled in WIOA		0																				
6																								
7	Unfavored Group																							
8	Yes	Wagner Peyser																						
9	Yes	WIOA																						
10	Yes	Not Enrolled in WIOA		0																				
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Analysis Summary	
Location	0
FY	0

**Summary of Standard Deviation Analysis - Registered - Enrolled
2 or greater indicates probability of discrimination**

Category	Deviation	Probability of Discrimination	Notes
Race	#DIV/0!	#DIV/0!	
Age	#DIV/0!	#DIV/0!	
Disability	#DIV/0!	#DIV/0!	
Gender	#DIV/0!	#DIV/0!	