

# **Frequencies and Descriptives: The Story Begins to Unfold...**

**EDU5655 Data Analysis I**

**September 12, 2009**

**Chelsea Brown**

**Alice Kane**

**Izzet Mergen**

**Christian Soto**

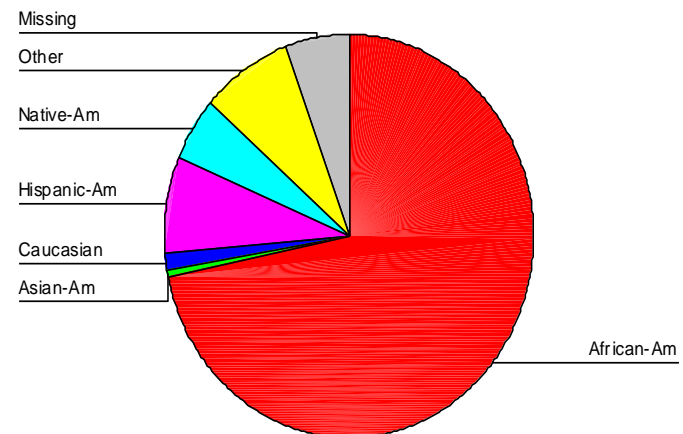
# Students

Your ethnic background is:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	African-Am	452	71.6	75.8	75.8
	Asian-Am	4	.6	.7	76.5
	Caucasian	8	1.3	1.3	77.9
	Hispanic-Am	49	7.8	8.2	86.1
	Native-Am	32	5.1	5.4	91.4
	Other	51	8.1	8.6	100.0
	Total		596	94.5	100.0
Missing	System	35	5.5		
Total		631	100.0		

- Predominantly an African-American community
- Majority of the population has lived here over six years.
- Majority of households have more than one child

Your ethnic background is:



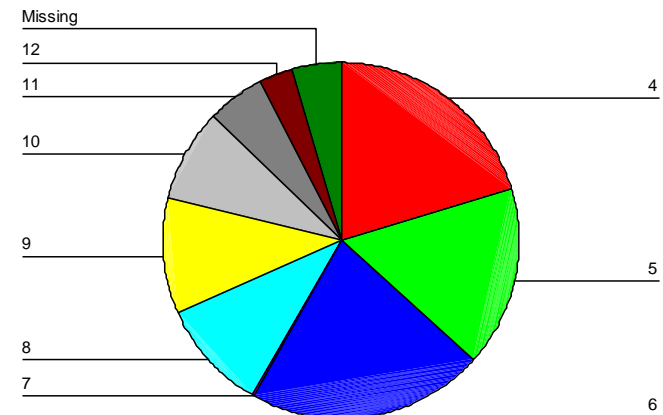
# Students (continued)

What grade are you in?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	128	20.3	21.2	21.2
	5	104	16.5	17.2	38.5
	6	134	21.2	22.2	60.7
	7	2	.3	.3	61.0
	8	63	10.0	10.4	71.5
	9	66	10.5	10.9	82.4
	10	54	8.6	9.0	91.4
	11	33	5.2	5.5	96.8
	12	19	3.0	3.2	100.0
	Total		603	95.6	100.0
Missing	System	28	4.4		
Total		631	100.0		

- More than fifty percent of those who responded were 4<sup>th</sup>, 5<sup>th</sup>, or 6<sup>th</sup> graders.
- Information is derived from a younger thought pattern.

What grade are you in?



# What is important to us...

## EDUCATION

Table 1: Top Ranked Outliers

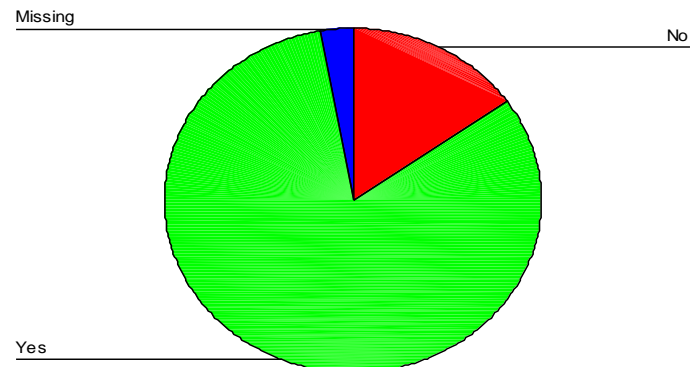
	N	Minimum	Maximum	Mean	Std. Deviation
Q26: Doing well is important to my family.	604	1	5	1.38	.78
Q25: Doing well in school is important to me.	607	1	5	1.43	.84
Q82: My parents are interested in my work.	596	1	5	1.62	.98
Q98: If I tried harder, I could do better.	588	1	5	1.63	1.05
Q52: I try to do my best in school.	597	1	5	1.65	.98
Q56: I do the best I can.	595	1	5	1.78	1.01
Q40: I'm responsible for my own learning	600	1	5	1.88	1.12
Q12: My T's let me know when I do well	607	1	5	1.92	1.03
Q11: My T's let me know what to expect of me.	602	1	5	1.93	1.07
Q79: We learn a lot of math in school.	589	1	5	1.93	1.12
Valid N (list wise)	555				

## FAMILY

I live with my mother.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	96	15.2	15.7	15.7
	Yes	517	81.9	84.3	100.0
	Total	613	97.1	100.0	
Missing	System	18	2.9		
Total		631	100.0		

I live with my mother.



# What are we lacking...

Table 3: Bottom Ranked Outliers - Descending

	N	Minimum	Maximum	Mean	Std. Deviation
Q37: We spend a lot of time on computers.	602	1	5	4.07	1.23
Q78: Sometimes we're videotaped...	593	1	5	3.94	1.28
Q65: We go on interesting field trips.	594	1	5	3.61	1.52
Q61: I have a computer at home for work.	592	1	5	3.57	1.49
Q72: If I need to use a computer, I can.	589	1	5	3.56	1.40
Q69: I use the school library regularly.	593	1	5	3.56	1.37
Q85: I have a computer at home to learn things.	589	1	5	3.47	1.54
Q28: My time is spent doing workbooks and dittos.	604	1	5	3.33	1.40
Q54: I feel safe in school.	597	1	5	3.32	1.45
Q84: I have a computer at home to play games.	593	1	5	3.31	1.58
Valid N (list wise)	556				

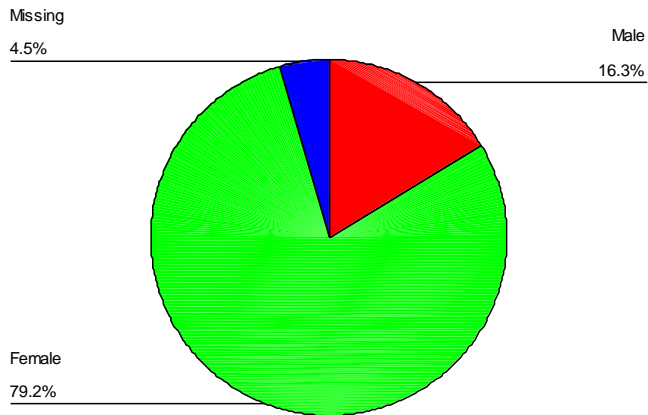
Lack of Resources???  
Financial Hardships???  
Lack of Technology???

# Student Conclusions

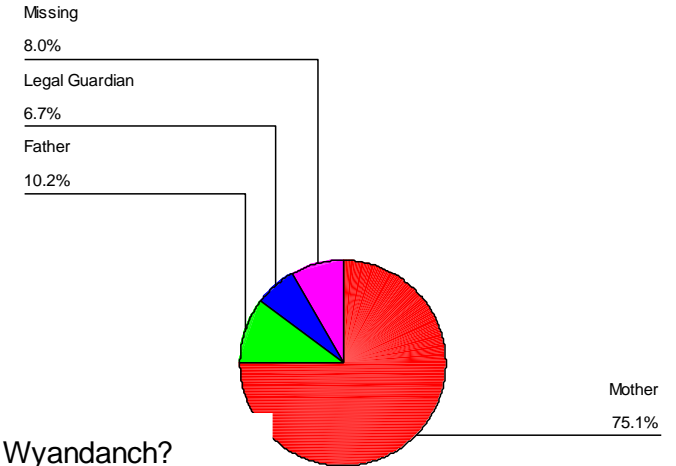
- Students perception is that education is important to their family
- Education is valued by the students themselves.
- Students believe they are responsible for their own learning
- Students feel their teachers value education and their learning.
- Despite the value on education, they don't have the technological support at home or at school.
- They don't utilize the resources they do have (school library).
- Teachers are not utilizing best practices in the classroom.
- Students need to feel safe in order to learn.

# Parents

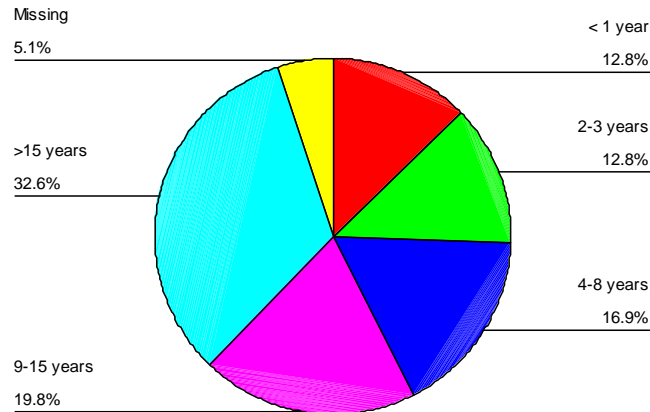
GENDER



Are you the...of the student?



How long have you lived in Wyandanch?



- Predominantly African-American females
- Parents of elementary age children

# What is important to us...

## EDUCATION

Table 1: Top Ranked Outliers

	N	Minimum	Maximum	Mean	Std. Deviation
Q46: chld doing well important to me	297	1	5	1.34	.79
Q51: I help chld learn schl impport to future	296	1	5	1.38	.85
Q34: Tchrs assign homework	281	1	5	1.40	.90
Q53: I care if chld learns what's taught	297	1	5	1.42	.82
Q52: interested in chld's opinions	297	1	5	1.42	.76
Q95: interested in what chld does in schl	296	1	5	1.45	.80
Q35: I make sure chld does homework	300	1	5	1.49	.85
Q33: I help chld with homework	298	1	5	1.53	.88
Q45: Doing well important to my chld	296	1	5	1.56	.87
Q93: KNOW WHAT MY CHILD DOES AFTER SCHOOL	296	1	5	1.59	.88
Valid N (listwise)	271				

- Education is valued
- Parents are interested and invested in what their children are learning
- Achievement is important
- Invested in their child's safety.



# What are we lacking...

**Table 2: Bottom Ranked Outliers (Descending)**

	N	Minimum	Maximum	Mean	Std. Deviation
Q98: chld has after school/wkend job	274	1	5	3.56	1.34
Q70: academic wrk too hard for my chld	293	1	5	3.54	1.09
Q12: necessary resources for teachers	296	1	5	3.09	1.21
Q81: chld has computer avail at home	285	1	5	3.07	1.40
Q49: bad students interfere with my chlds learning	292	1	5	3.03	1.25
Q60: STUDENTS ARE RESPONSIBLE FOR LEARNING	293	1	5	2.99	1.38
Q74: I feel safe in our schools	297	1	5	2.90	1.25
Q84: I participate in PTO	287	1	5	2.90	1.22
Q20: schls generally safe	297	1	5	2.89	1.31
Q44: schls should focus on personal needs	292	1	5	2.87	1.22
Valid N (list wise)	224				

- Resources for teachers and students.
- Genuine concern for the safety of schools.
- Curriculum not rigorous enough
- Children’s behavior interfering with their child’s academic success.

# Teachers

---

# What is important to us...

---

**EDUCATION**

# What are we lacking...

Table 3: Bottom Ranked Outliers - Descending

	N	Minimum	Maximum	Mean	Std. Deviation
Q37: We spend a lot of time on computers.	602	1	5	4.07	1.23
Q78: Sometimes we're videotaped...	593	1	5	3.94	1.28
Q65: We go on interesting field trips.	594	1	5	3.61	1.52
Q61: I have a computer at home for work.	592	1	5	3.57	1.49
Q72: If I need to use a computer, I can.	589	1	5	3.56	1.40
Q69: I use the school library regularly.	593	1	5	3.56	1.37
Q85: I have a computer at home to learn things.	589	1	5	3.47	1.54
Q28: My time is spent doing workbooks and dittos.	604	1	5	3.33	1.40
Q54: I feel safe in school.	597	1	5	3.32	1.45
Q84: I have a computer at home to play games.	593	1	5	3.31	1.58
Valid N (list wise)	556				

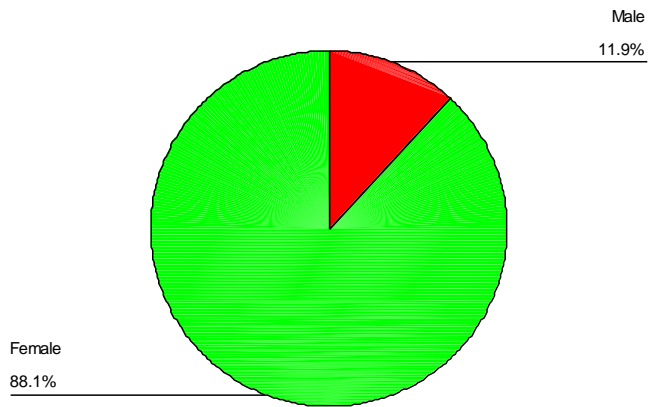
Lack of Resources???  
Financial Hardships???  
Lack of Technology???

# Teacher Conclusions

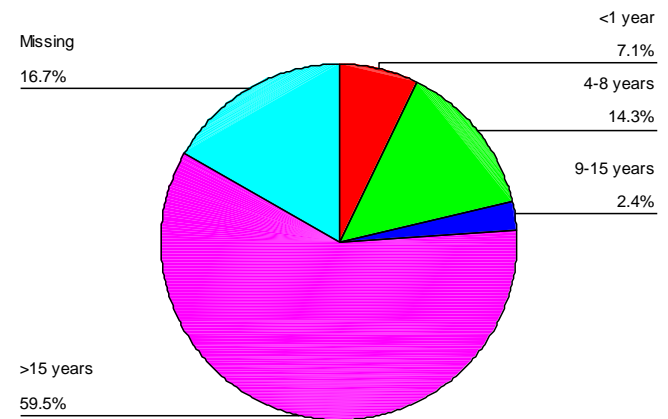
- Students perception is that education is important to their family
- Education is valued by the students themselves.
- Students believe they are responsible for their own learning
- Students feel their teachers value education and their learning.
- Despite the value on education, they don't have the technological support at home or at school.
- They don't utilize the resources they do have (school library).
- Teachers are not utilizing best practices in the classroom.
- Students need to feel safe in order to learn.

# Community ~ Who Are They?

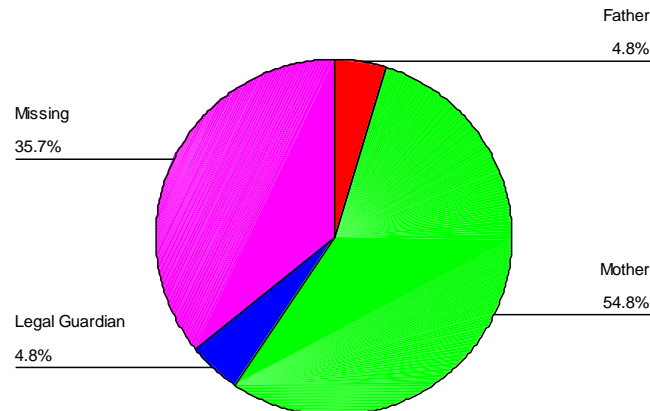
GENDER



How long have you lived in Wyandanch?



Are you the...



- Small sample of responses
- Predominantly females
- Invested in the community

# What is important to us...

## EDUCATION

### Community Top Ranked Outliers

	N	Range	Mean	Std. Deviation	Variance
Q46: that stdnts to do well in school is important	42	1	1.10	.30	8.827E-02
Q53: I care if our stdnts learn	42	2	1.45	.55	.303
Q35: I see that my chld does homework	35	2	1.46	.66	.432
Q52: I'm interested in stdnt opinions	42	3	1.50	.67	.451
Q94: I'm interested in what stdnts do in schl	41	4	1.54	.84	.705
Q32: I tell stdnts when they do something well	37	2	1.54	.69	.477
Q50: I help stdnts when they ask questions	38	2	1.58	.68	.467
Q33: I help stdnts with homework	38	2	1.61	.72	.516
Q45: education is important national priority	42	4	1.62	1.08	1.168
Q86: I worry about how children are doing	42	4	1.62	.82	.681
Valid N (list wise)	35				

- Education is a priority in the community.
- They are concerned about student achievement.
- Willing to help students succeed.

# What are we lacking...

**Community Bottom Ranked Outliers**

	N	Range	Mean	Std. Deviation	Variance
Q70: academic work is too hard for stdnts	41	4	4.12	.95	.910
Q77: I am satisfied with schools	42	4	4.12	1.11	1.229
Q91: boys get better education than girls	41	2	4.10	.80	.640
Q84: community has opportunities for stdnts	42	3	3.98	1.07	1.146
Q69: grading system is too hard so stdnts quit	42	3	3.98	.84	.707
Q90: girls get better education than boys	41	3	3.93	.96	.920
Q51: schls have positive climate for learning	41	4	3.90	1.09	1.190
Q71: stdnts are proud of their school	42	3	3.88	.92	.839
Q17: tchrs and prnts work together toward goals	42	4	3.83	.93	.874
Q56: too many special programs in schls	41	3	3.83	.89	.795
Valid N (list wise)	40				

- Lacking a connection between teachers and parents.
- Unsatisfied with the education system – needs to be more rigorous/competitive.
- No opportunities for students
- Community’s perception is not that it is a positive place.