Calculus Readiness Assessment

University of Toronto Mississauga
High School Teacher Workshop

May 1, 2019

What is the CRA?

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- General Functions (even/odd, domain, composition, translation and dilation)
- Plane Geometry (Equation of a line, parallel and perpendicular lines)
- Basic Algebra (absolute values, inequalities, expression manipulation)
- Specific Functions (Polynomials, Exponents, Logarithms, Trigonometry)

Administration: 2017 - 2018

Written entirely online:

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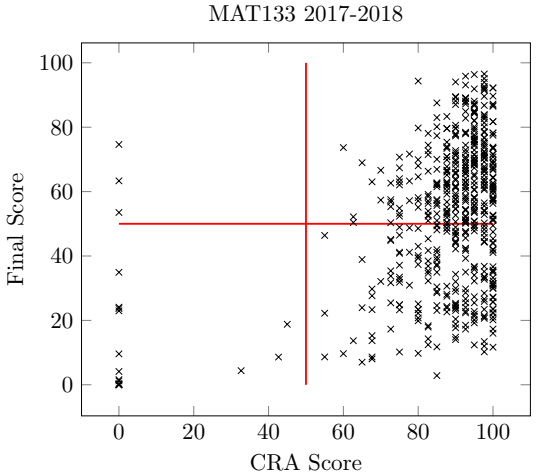

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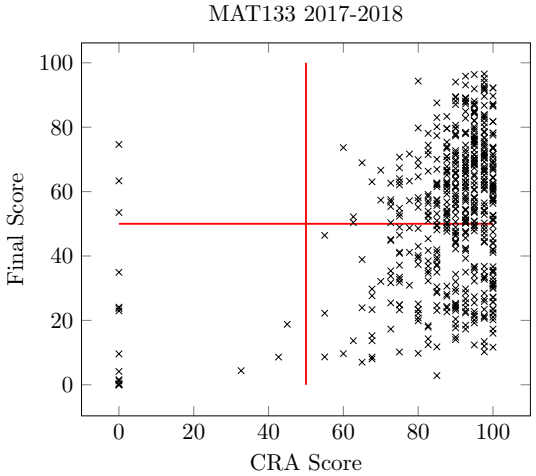

Avg: CRA 87 Final 54

Correlation: $r = 0.363$

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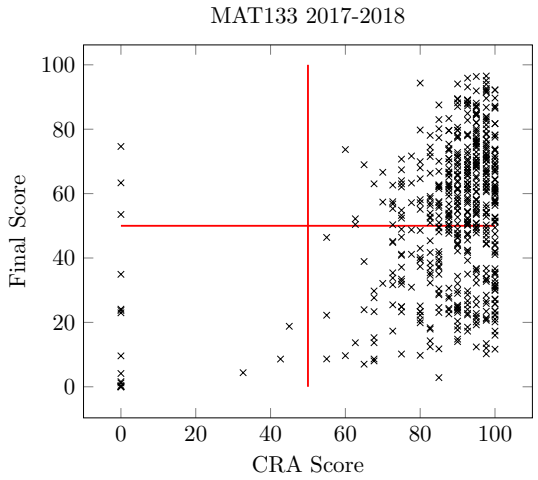

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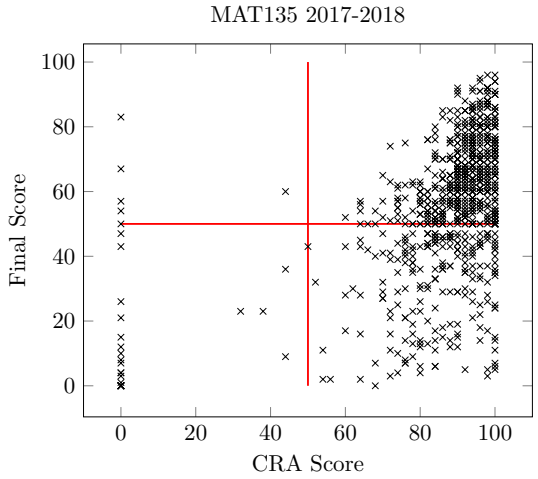

Avg: CRA 87 Final 56
Correlation: $r = 0.478$

Administration: 2018-2019

MAT133	MAT135
404 students	1406 students

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Online Practice	Online Practice

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6%	3%

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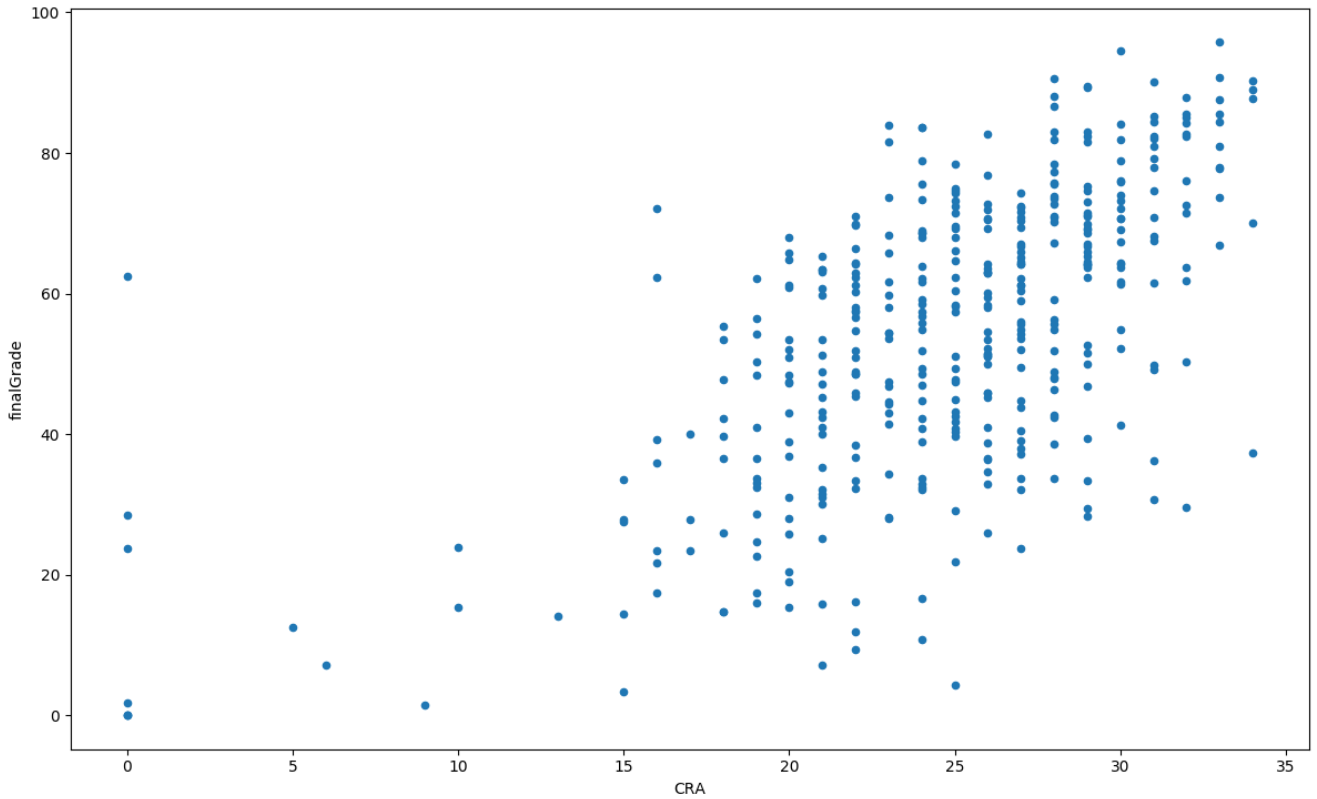
6%	3%

Did something change?

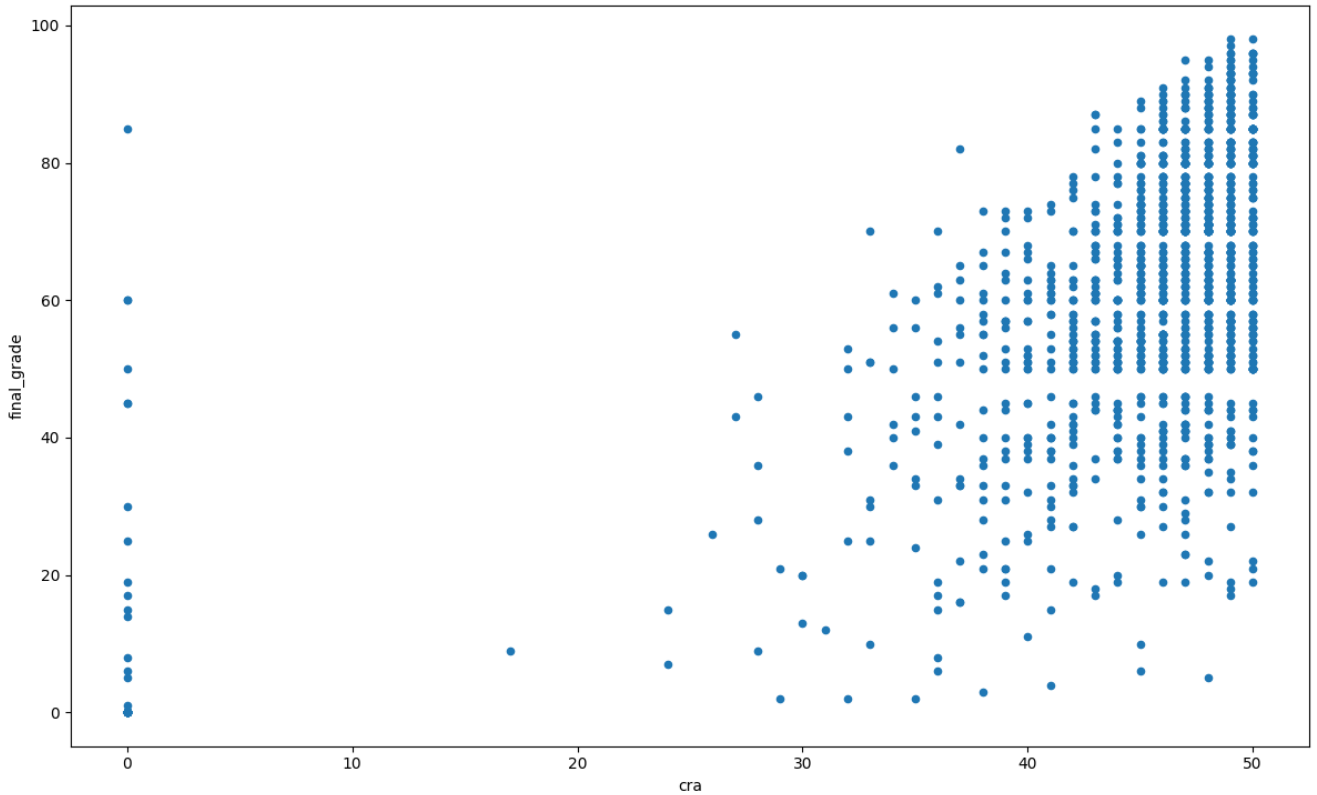
What about 2018?

MAT133 (Written in class)



What about 2018?

MAT135 (Written online)



Stats!

	MAT133	MAT135
CRA Avg	69	88
Final Avg	54	60
Corr	0.623	0.590

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- There is moderate correlation.

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- There is moderate correlation.
- Correlation decreases as the term progresses