

Benjamin Tisinger

## Homework 5

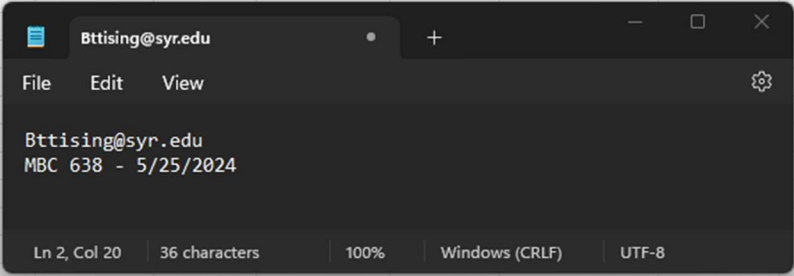
Understanding Variation, They Key to Managing Chaos

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Page 114

1.

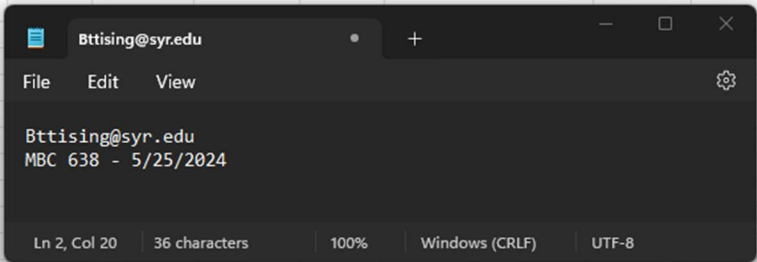
	July	August	September	October	November	December
1988	10.5	11.2	9.2	10.1	10.4	10.5

The screenshot shows a code editor window with a dark theme. The title bar reads 'Bttising@syr.edu'. The menu bar includes 'File', 'Edit', and 'View'. The main text area contains 'Bttising@syr.edu' and 'MBC 638 - 5/25/2024'. The status bar at the bottom indicates 'Ln 2, Col 20', '36 characters', '100%', 'Windows (CRLF)', and 'UTF-8'.

2.  $2/3$  – Average is Highlighted 10.32

	X	MR
1988		
July	10.5	
August	11.2	0.7
September	9.2	2
October	10.1	0.9
November	10.4	0.3
December	10.5	0.1
AVG	10.32	0.8

The screenshot shows a code editor window with a dark theme. The title bar reads 'Bttising@syr.edu'. The menu bar includes 'File', 'Edit', and 'View'. The main text area contains 'Bttising@syr.edu' and 'MBC 638 - 5/25/2024'. The status bar at the bottom indicates 'Ln 2, Col 20', '36 characters', '100%', 'Windows (CRLF)', and 'UTF-8'.

### 3. 3/4– Average is Highlighted for Moving Range of 0.8

X			
1988			
	July	10.5	
	August	11.2	0.7
	September	9.2	2
	October	10.1	0.9
	November	10.4	0.3
	December	10.5	0.1
	AVG	10.32	0.8

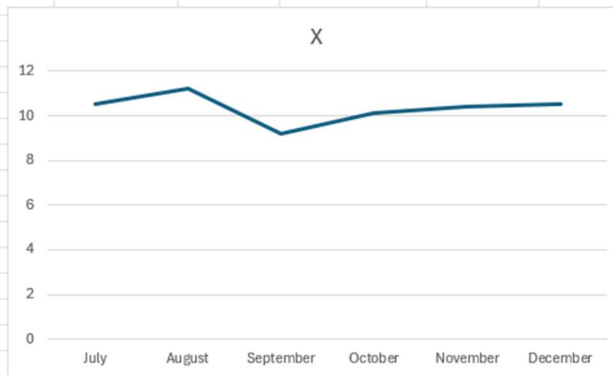
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File Edit View

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MBC 638 - 5/25/2024

Ln 2, Col 20 36 characters 100% Windows (CRLF) UTF-8

X			
1988			
	July	10.5	
	August	11.2	0.7
	September	9.2	2
	October	10.1	0.9
	November	10.4	0.3
	December	10.5	0.1
	AVG	10.32	0.8



4/5 – Showing Natural Process Units based on Page 60 and 137

		X	MR
1988			
	July	10.5	
	August	11.2	0.7
	September	9.2	2
	October	10.1	0.9
	November	10.4	0.3
	December	10.5	0.1
	AVG	10.32	0.8
	Lower		8.188666667
	Upper		12.44466667
	Limit		2.616

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File Edit View

Bttising@syr.edu  
MBC 638 - 5/25/2024

Ln 2, Col 2036 characters100%Windows (CRLF)UTF-8

6. Upper Range Limit of 2.61 Shown Above on Excel

7. All Graphing Points are within the Limits

	X	MR
1988		
July	10.5	
August	11.2	0.7
September	9.2	2
October	10.1	0.9
November	10.4	0.3
December	10.5	0.1
AVG	10.32	0.8
Lower		8.188666667
Upper		12.44466667
Limit		2.616



```
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File Edit View
Bttising@syr.edu
MBC 638 - 5/25/2024
Ln 2, Col 20 36 characters 100% Windows (CRLF) UTF-8
```

8. Plotted New Figures from 1989

	X	MR
1989		
January	8.70	0
February	8.70	0
March	7.00	1.7
April	6.80	0.2
May	9.60	2.8
June	9.00	0.6
AVG	8.30	0.88
Lower		
Upper		
Limit		



```
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File Edit View
Bttising@syr.edu
MBC 638 - 5/25/2024
Ln 2, Col 20 36 characters 100% Windows (CRLF) UTF-8
```

9. I believe the Favorable shift occurs in April of 1999

10. I believe it Begins in January and Runs through June