BETON, RENZ DUSTIN S.
MT14-CC (LEC)

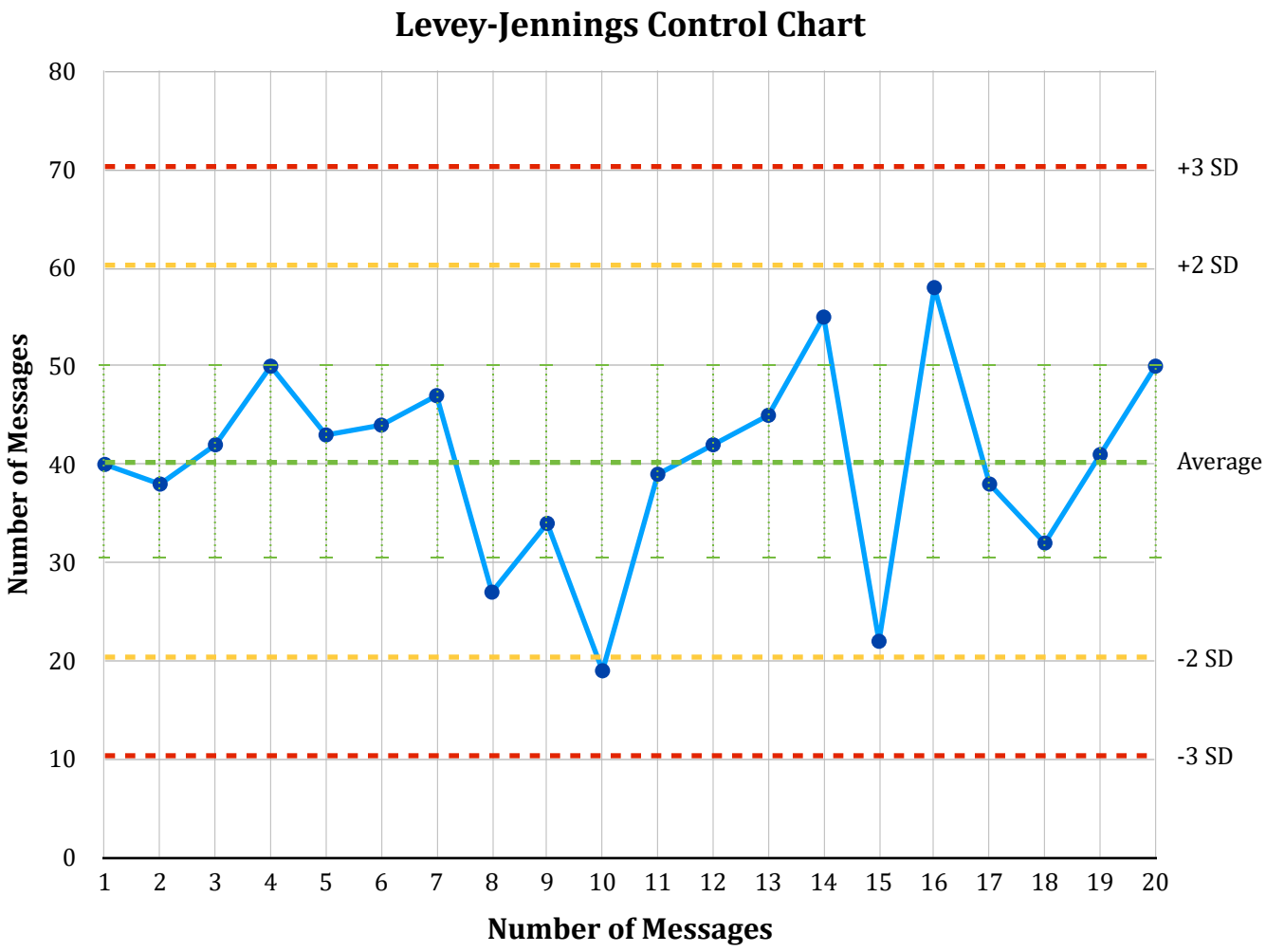
LEVEY-JENNINGS CHART

Data: (Number of messages received per day for 20 days)

40	44	39	58
38	47	42	38
42	27	45	32
50	34	55	41
43	19	22	50

Mean: 40.3

Standard Deviation: 10



Discussion

In this analysis, I'm examining the number of messages received from my crush, whom I'll refer to as **Mr. E**. Understanding the communication patterns can provide insight into his feelings toward me. The data reveals some interesting trends when analyzed through the control chart. Let's start with the basics: the average number of messages per day from Mr. E is around **40**, which feels like a solid baseline for consistent communication. However, the story doesn't stop there—it's the fluctuations that really stand out.

On some days, like **Day 16**, there's a huge spike with **58 messages**. That's almost 1.5 times the average! Something significant was definitely happening here. Perhaps it was an important conversation or just a surge in availability. Either way, it's a moment that jumps off the chart. Similarly, **Day 10** has the lowest point, with just **19 messages**. A sharp contrast, right? This big dip could indicate a quieter period or a busier time when communication slowed down.

Control Limits and Westgard Rules

The analysis of the data using the Westgard rules reveals a largely stable communication pattern. Although **Day 10** technically violates the **1-2s Rule** by falling below the -2 SD limit, this is more of a temporary fluctuation and not a major concern, as no other rules were broken. Beyond this, no data points exceeded the ±3 SD limits, confirming that the messaging was generally consistent. There were also no consecutive points outside the ±2 SD range, which means no persistent trends of decreased or increased communication were present. The clustering observed during Days 14 to 16 showed increased engagement, but it didn't violate any rules, remaining within normal limits. The longest sequence of consecutive points above the mean lasted five days, which was not enough to suggest any long-term bias, and the overall variability in the number of messages remained within acceptable ranges. This supports the idea that the communication, while dynamic, remained stable throughout.

Patterns and Clusters

What's particularly interesting is how this pattern of ups and downs plays out in clusters. There are a few consecutive days of lower messages, like from **Days 10 to 12**, followed by a spike after **Day 14**. It's like a period of calm, followed by intense interaction. This could hint at cycles in communication—maybe personal schedules or external factors caused these shifts. Perhaps there was less time to talk during the dip, then something prompted more conversation afterward.

From a control chart perspective, no days exceed the critical ±3 SD limits. That's a good sign—things never get too extreme. However, the days that approach the ±2 SD limits (like Day 16's spike) suggest moments where the pattern is disrupted, indicating a dynamic flow of communication rather than a steady, predictable rhythm.

Emotional Significance

In terms of emotional significance, these spikes and dips might represent moments of heightened connection or distance. The spikes could reflect times of increased emotional engagement or simply more free time to chat. Conversely, the dips might signal moments of less availability or a need for personal space.

Analyzing this data helps me interpret Mr. E's feelings. The increased messaging could indicate his interest, while the lower counts might suggest he’s preoccupied or needing some space. It’s fascinating how numbers can reflect the subtleties of human connection!

Final Thoughts

Overall, this data illustrates that communication follows a steady rhythm, complete with its natural highs and lows. That’s normal—no relationship or interaction is perfectly consistent every day. The control chart provides a helpful way to visualize this, offering a clearer picture of when things intensify or quiet down. It serves as a reminder that while some variation is typical, those spikes and dips can offer clues about what’s happening under the surface.

And let’s not forget: even when communication dips, Mr. E's affection for me might just be as steady as the most reliable data point—after all, love is a constant amidst all the fluctuations! (Delusional!)