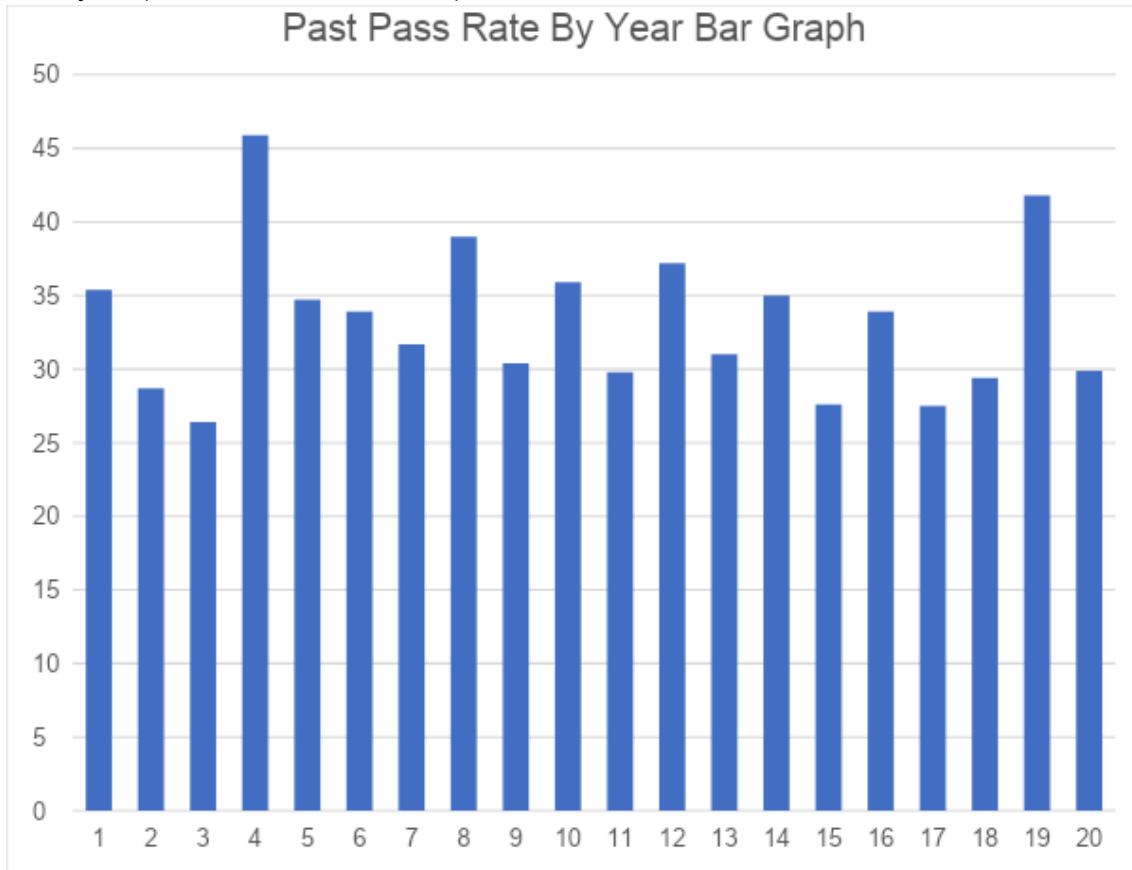


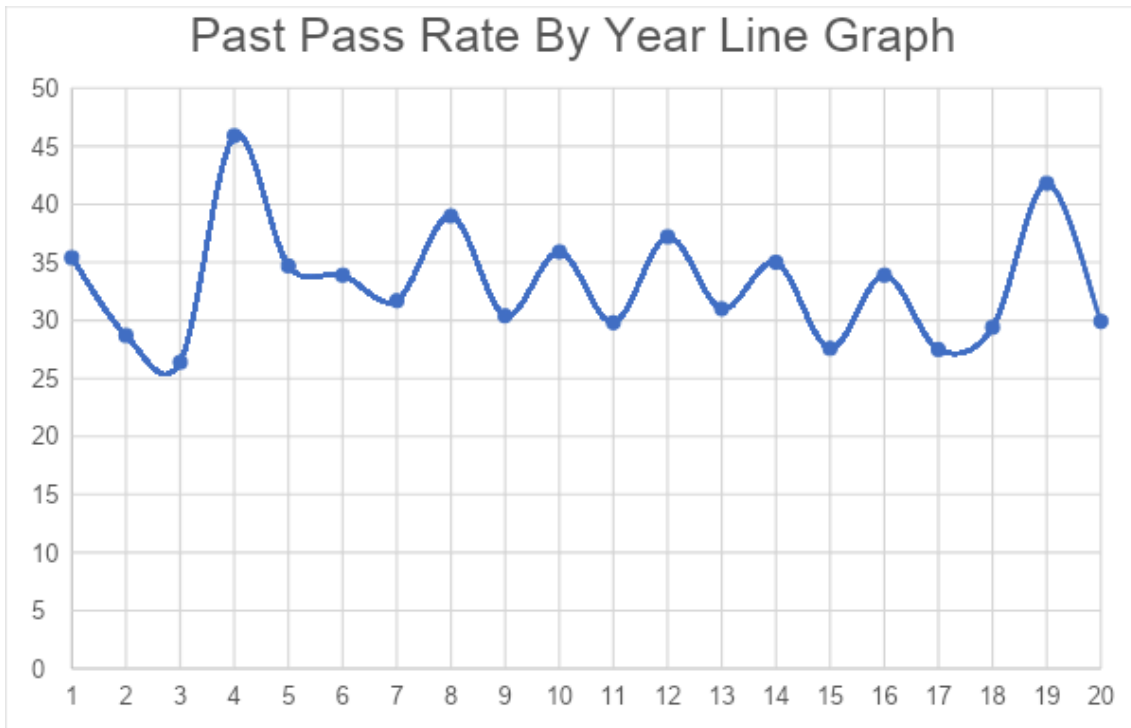
## N1 Data Summary 2011-2021

The y-axis is the percentage of people who passed the test in a given year, and the x-axis is the year (from 2011-2021 summer).



**Figure 1:** Percent Pass Rate for N1 from 2011-2021 (Bar graph).

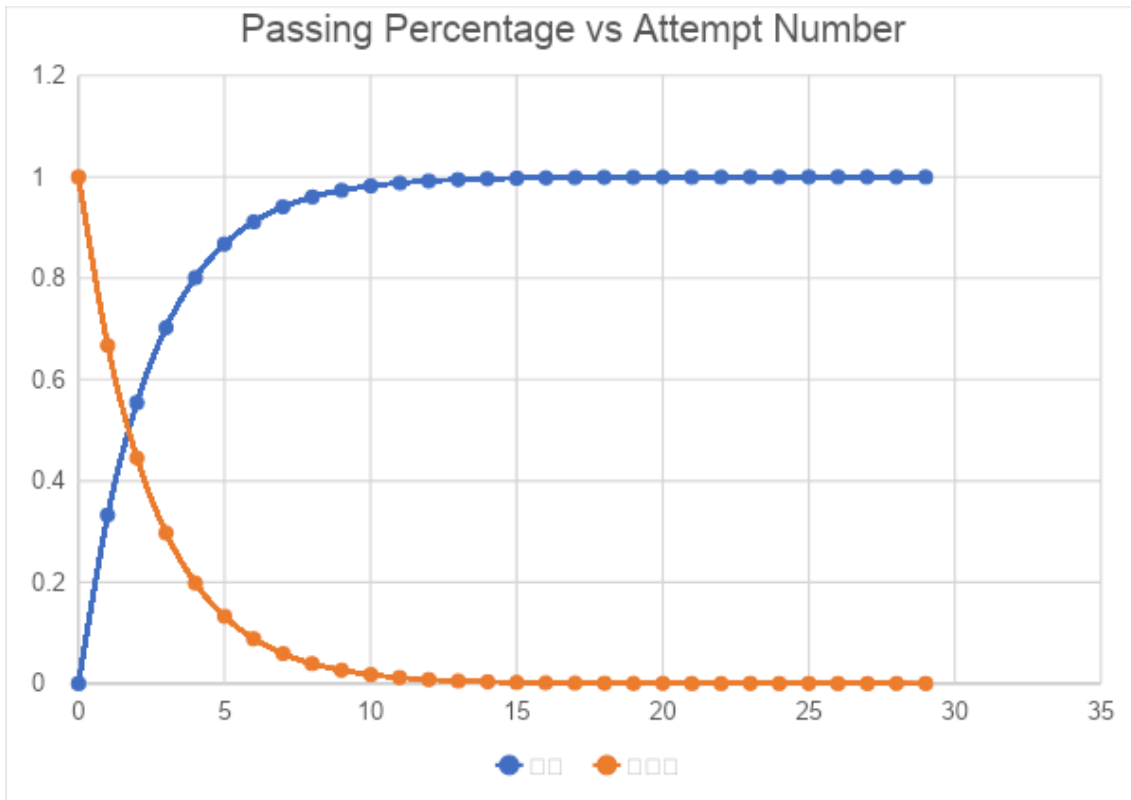
Figure 2 below is the same info as Figure 1 but redraw as a line graph. I felt a line graph helped visualize the change in percent passing better.



**Figure 2:** Percent Pass Rate for N1 from 2011-2021 (Line graph).

From Figure 1 and 2, we can see that the average percentage passing for N1 has been gradually decreasing since 2011. There are two notable exceptions towards the beginning and end of the graphs. I interpret the spike at the beginning as the test makers still refining their evaluation process. The second spike at the right-hand side happened likely due to the pandemic in 2020.



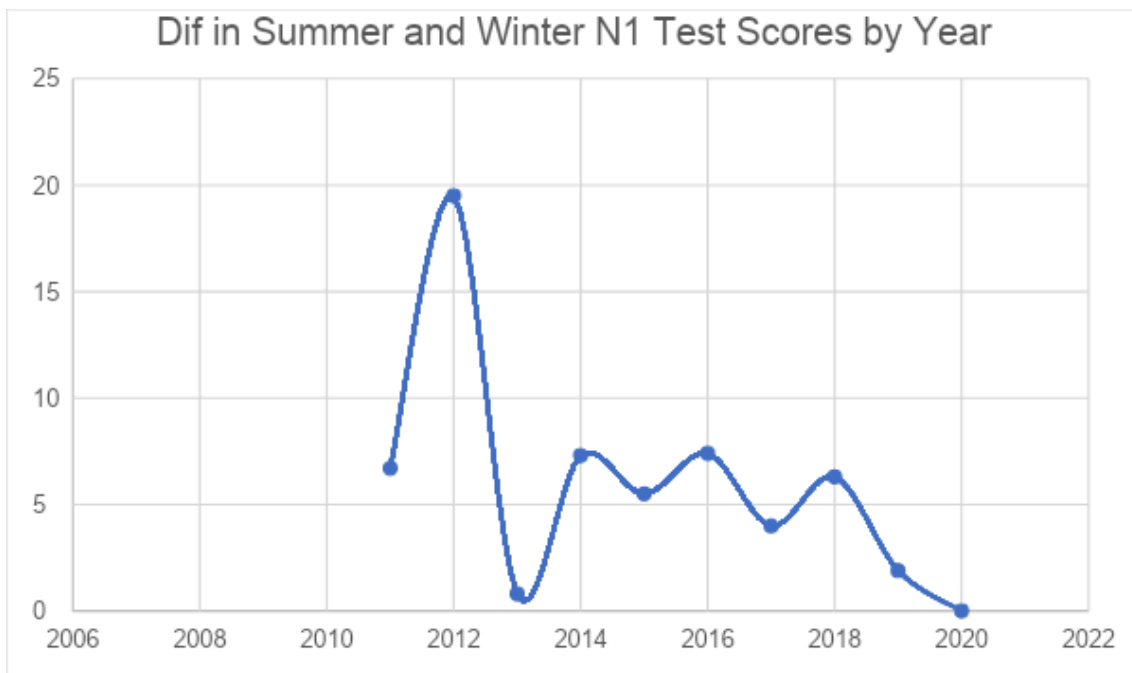


**Figure 4:** Pass or Fail rate based on Number of Test Attempts N1

Based on the average percentage pass rate for all tests, I looked to see what someone's percentage of passing the test would be the more attempts they made. There are only two outcomes for the test, Pass or Fail, so I modelled this like a coin toss. This is speculative, so take my assumption with a grain of salt.

If you toss a coin once, there's a 50% of landing on heads. Twice, a 25% of landing on heads again, three times 12.5% and so on ad infinitum.

For N1, the outcome is not 50/50 like the coin toss but rather roughly 70/30. Based on the blue 「合格」line (which is 1 minus the 「不合格」value) within 12 attempts someone taking N2 has a near 100% chance of passing. This assumes they do in fact know the material for the test.

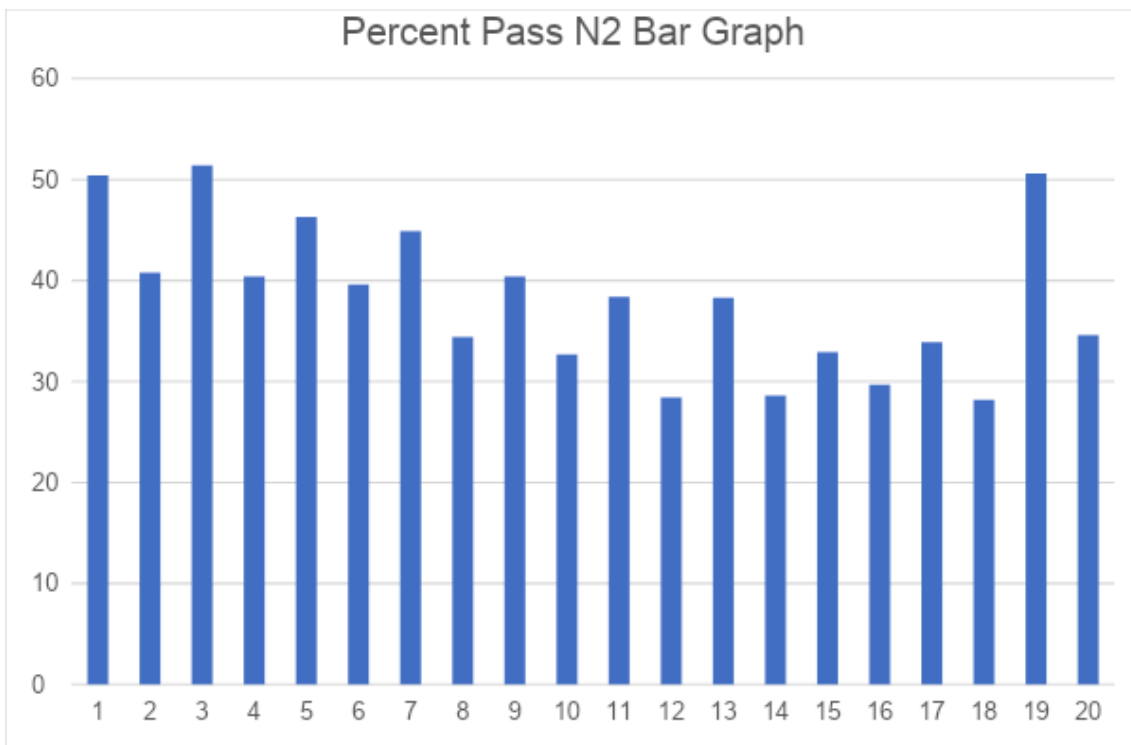


**Figure 5:** Difference in Percentage Points passing between Summer and Winter Tests for a Given Year for N1.

The point difference between summer and winter tests for N1 rose in the beginning then dropped rapidly and stabilized between 2013-2018. Note the major exception to the trend for 2020. Since there was only one test in 2020, the difference is zero.

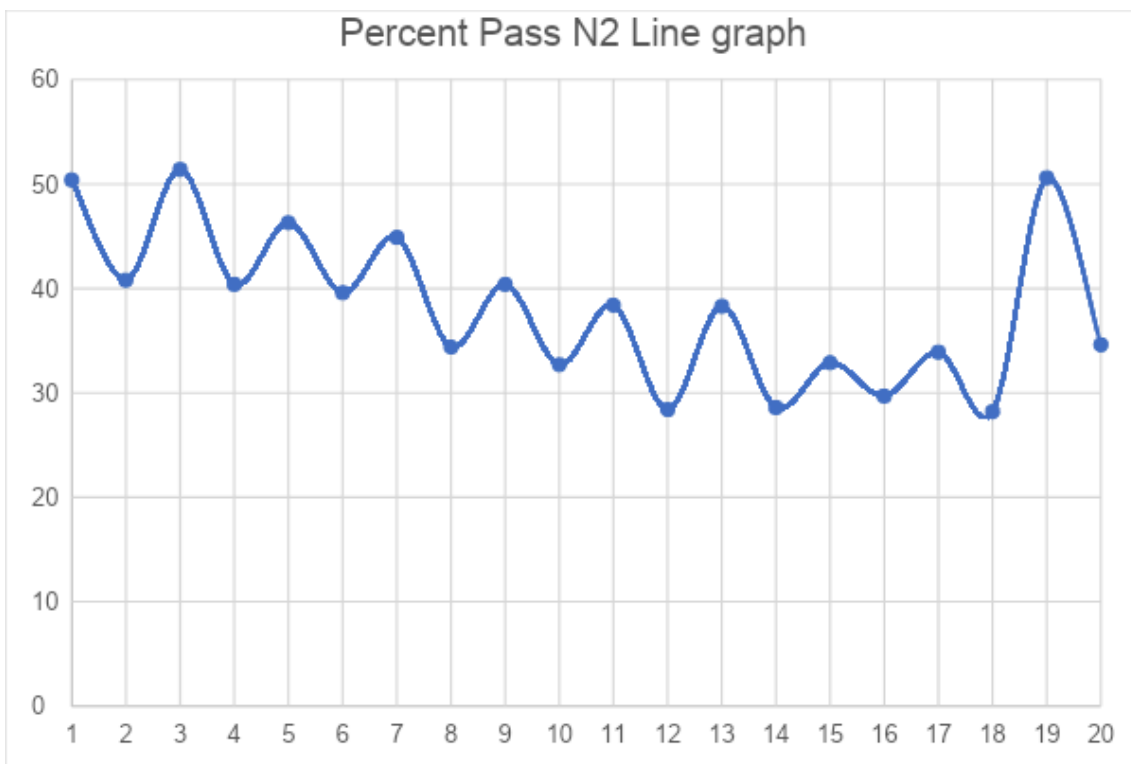
## N2 Data Summary from 2011-2021

The y-axis is the percentage of people who passed the test in a given year, and the x-axis is the year (from 2011-2021 summer).



**Figure 6:** Percent Pass Rate for N2 from 2011-2021 (Bar graph)

Figure 7 below is the same info as Figure 6 but redraw as a line graph. I felt a line graph helped visualize the change in percent passing better.



**Figure 7:** Percent Pass Rate for N2 from 2011-2021 (Line Graph)

From Figure 6 and 7, we can see that the average percentage passing for N2 has been gradually decreasing since 2011. There is one notable exception towards the end of the graphs. The spike at the right-hand side happened likely due to the pandemic in 2020.

Compared to N1, N2's percentage passing has been declining even more rapidly with time. This may be a deliberate attempt by the test makers to artificially control how many people pass and ensure people take the test multiple times. If people pass after only one attempt, the JLPT organization won't make a profit.

This could also indicate the test makers are making the test harder every year.

		Test#	%Pass
2011	July	1	50.4
	December	2	40.8
2012	July	3	51.4
	December	4	40.4
2013	July	5	46.3
	December	6	39.6
2014	July	7	44.9
	December	8	34.4
2015	July	9	40.4
	December	10	30.7
2016	July	11	38.4
	December	12	28.4
2017	July	13	38.3
	December	14	28.6
2018	July	15	32.9
	December	16	29.7
2019	July	17	33.9
	December	18	28.2
*	2020	December	50.6
	2021	July	34.6
		AVE	38.245
		MIN	28.2
		MODE	51.4
	Higher Percent pass in one year		
	Lower Percent pass in one year		
	N/A		

**Figure 8:** Screenshot of Table for Raw N2 Pass/Fail Data

Figure 8 shows the raw data for N2 percentage pass rates from 2011-2021 summer. As the data for winter 2021 is not yet available, that data is not yet reflected here. For each year, I've highlighted the higher percentage pass score in green and the lower score in red.

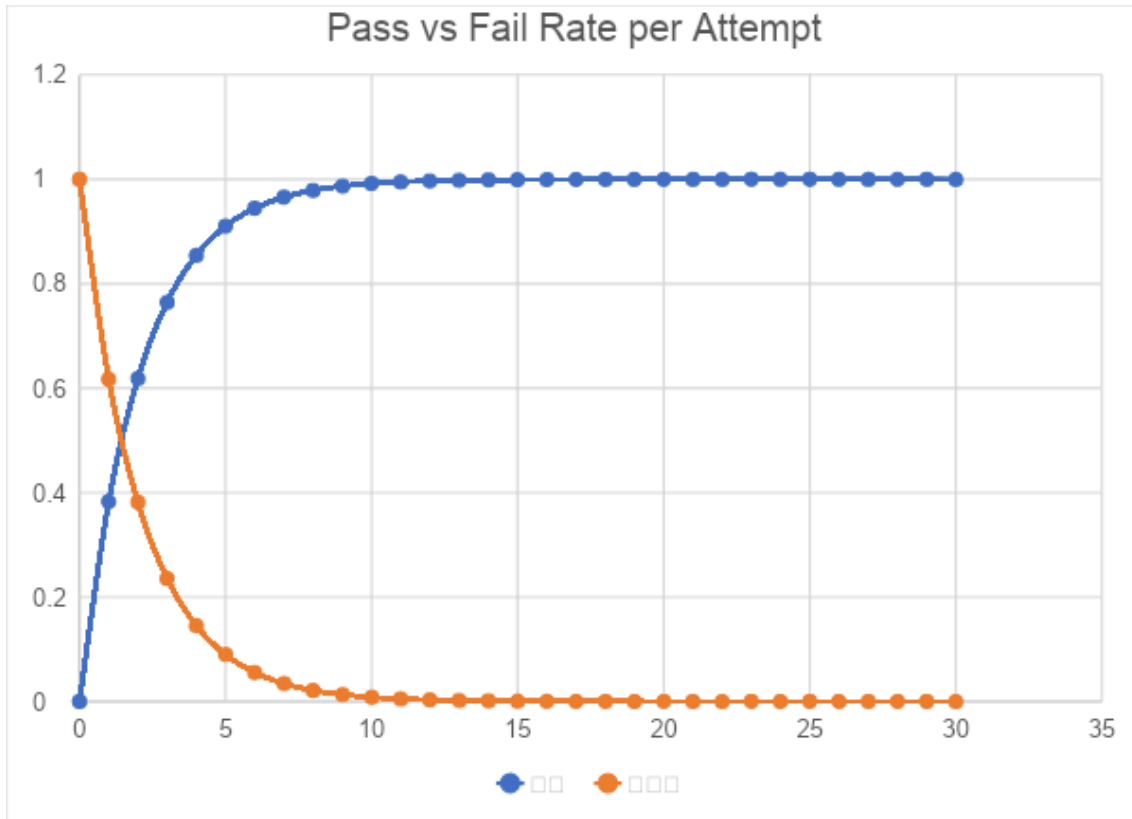
We can see from the table in Figure 8 that for every year from 2011 to 2019, the SUMMER percentage pass rate was ALWAYS HIGHER than the winter rate for N2. This pattern was even more consistent than the N1 pattern. This implies that to improve your chances of passing, for N2, taking the test in SUMMER is more prudent. The average percentage pass rate for all years was 38.245%. Min and mode test scores are also listed.

Since the first test in 2020 was cancelled, I only wrote info for the 2020 December test. Still waiting for data from the 2021 winter test.

But now that I've passed N1 and never have to take that test again, I'm not going to torture

myself with any more data analysis.

FREEDOM!!!

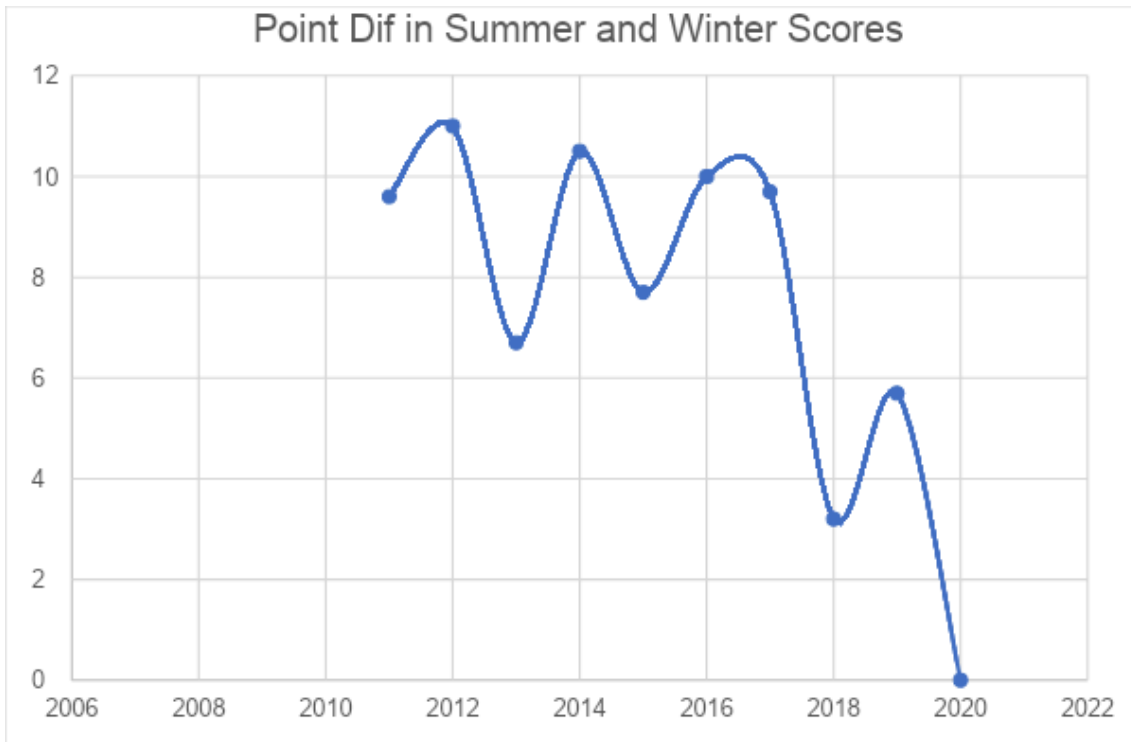


**Figure 9:** Pass or Fail rate based on Number of Test Attempts N2

Based on the average percentage pass rate for all tests, I looked to see what someone's percentage of passing the test would be the more attempts they made. There are only two outcomes for the test, Pass or Fail, so I modelled this similar to a coin toss. This is speculative, so take my assumption with a grain of salt.

If you toss a coin once, there's a 50% of landing on heads. Twice, a 25% of landing on heads again, three times 12.5% and so on ad infinitum.

For N2, the outcome is not 50/50 like the coin toss but rather roughly 60/40. Based on the blue 「合格」line (which is 1 minus the 「不合格」value) within 10 attempts someone taking N2 has a near 100% chance of passing. This assumes they do in fact know the material for the test.



**Figure 10:** Difference in Percentage Points passing between Summer and Winter Tests for a Given Year for N2.

The point difference between summer and winter tests for N2 has also been dropping steadily. Note the major exception to the trend for 2020. Since there was only one test in 2020, the difference is zero (or undefined technically but whatever).

過去の受験結果						
区分	試験名	レベル	受験番号	結果	総合得点	申し込み
個人	2021年第2回日本語能力試験	N1	050110054	合格	140/180 <a href="#">詳細</a>	<input type="checkbox"/>
個人	2021年第1回日本語能力試験	N1	050110007	不合格	89/180 <a href="#">詳細</a>	<input type="checkbox"/>
個人	2020年第2回日本語能力試験	N2	050120041	合格	170/180 <a href="#">詳細</a>	<input type="checkbox"/>
個人	2020年第1回日本語能力試験	N2			/180 <a href="#">詳細</a>	
個人	2019年第2回日本語能力試験	N2	141020626	不合格	102/180 <a href="#">詳細</a>	<input type="checkbox"/>
個人	2019年第1回日本語能力試験	N2	140520502	不合格	86/180 <a href="#">詳細</a>	<input type="checkbox"/>

**Figure 11:** My Past Test Data