



# *Certificate*

## *EMPLOYEE OF THE MONTH*

*awarded to*

*Name of Recipient*

*in recognition of  
your dedication, passion, and hard work*

*Name/Title of Presenter*

*Date*



**[First Name]**  
**[Surname]**

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### Experience

**[Dates From]–[To]**  
**[Job Title] • [Job Position] • [Company Name]**

**[Dates From]–[To]**  
**[Job Title] • [Job Position] • [Company Name]**

**[Dates From]–[To]**  
**[Job Title] • [Job Position] • [Company Name]**

[This is the place for a brief summary of your key responsibilities and most stellar accomplishments.]

### Education

**[School Name], [City, State]**

- [You might want to include your GPA here and a brief summary of relevant coursework, awards, and honors.]

### Communication


[Want to put your own image in the circle? It is easy! Select the image and do a right mouse click. Select “Fill” from the shortcut menu. Choose Picture... from the list. Navigate your computer to get the appropriate picture. Click okay to insert your selected image.]


### Leadership

[Once your image has been inserted, select it again. Go to the Picture Tools Format menu. Click on the down arrow below “Crop” and select “Fill” from the list. This will auto adjust your image to crop to the image. You can click and drag your image to place it appropriately.]

### References

[Available upon request.]



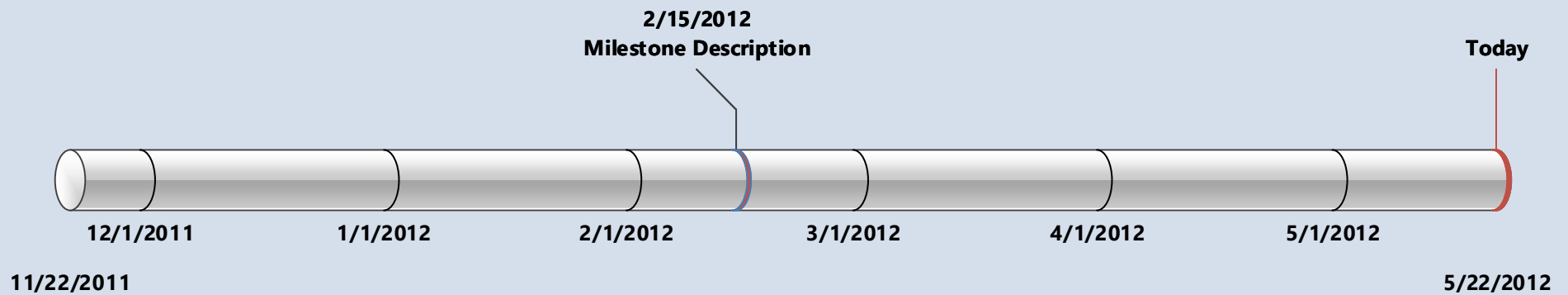
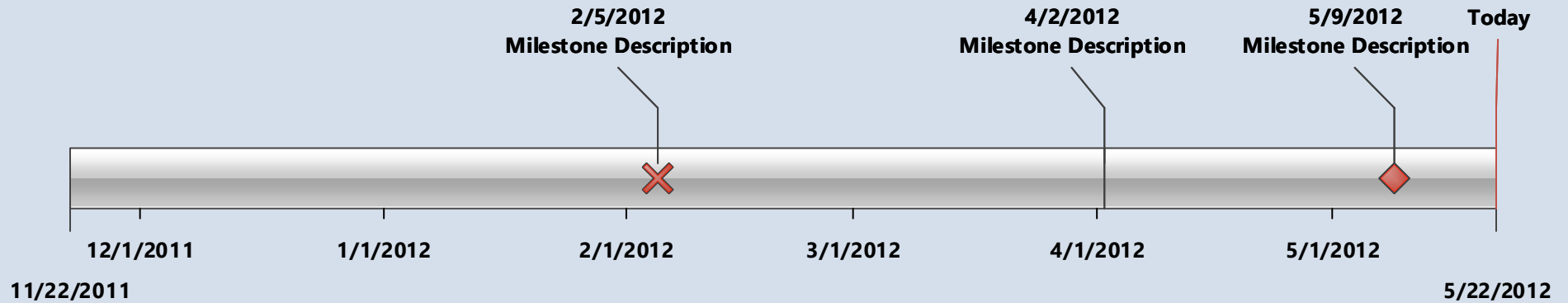
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[City, ST ZIP Code]

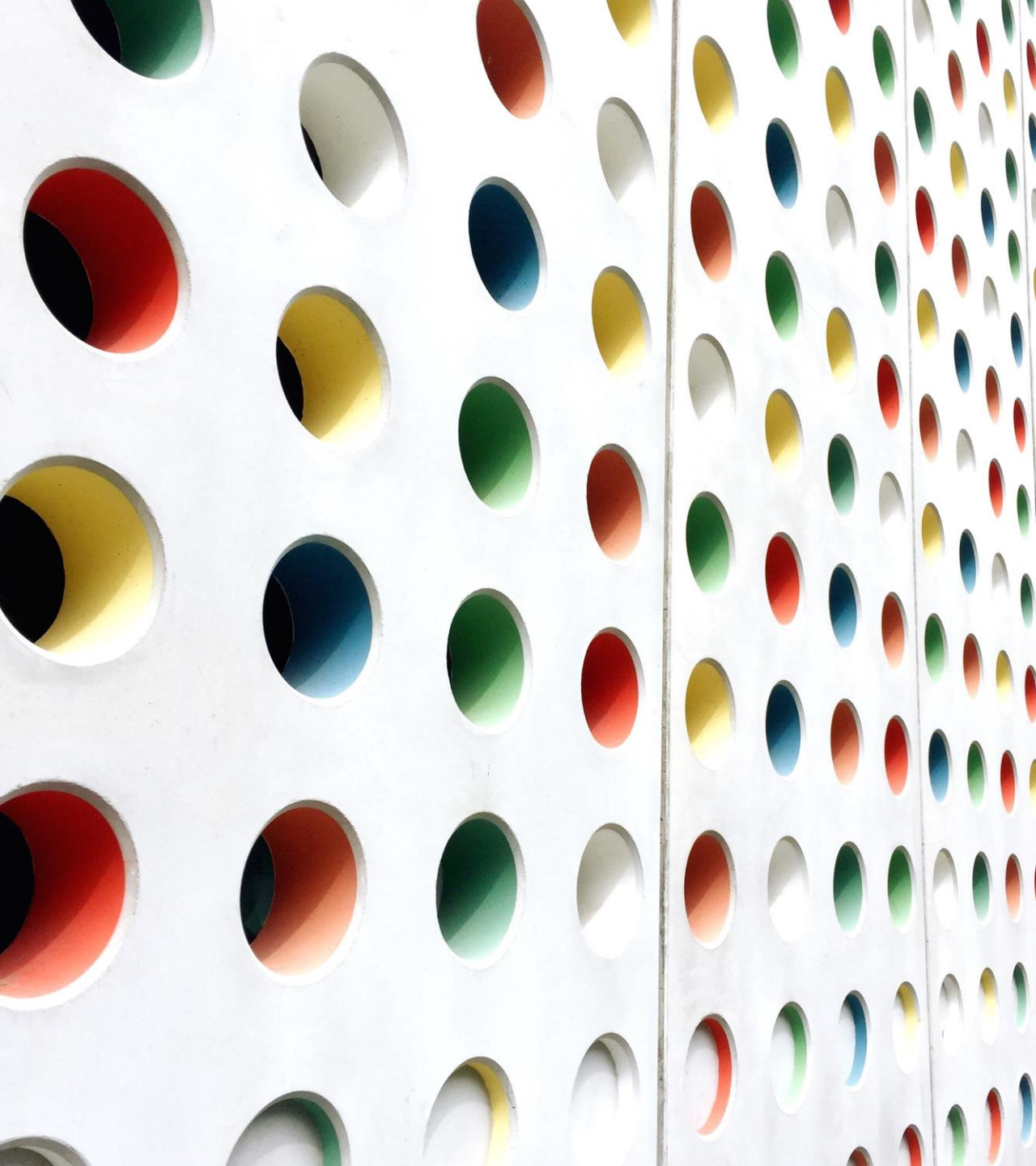
 [Your Phone]

 [Your Email]

 [Your Website]







# Title Lorem Ipsum

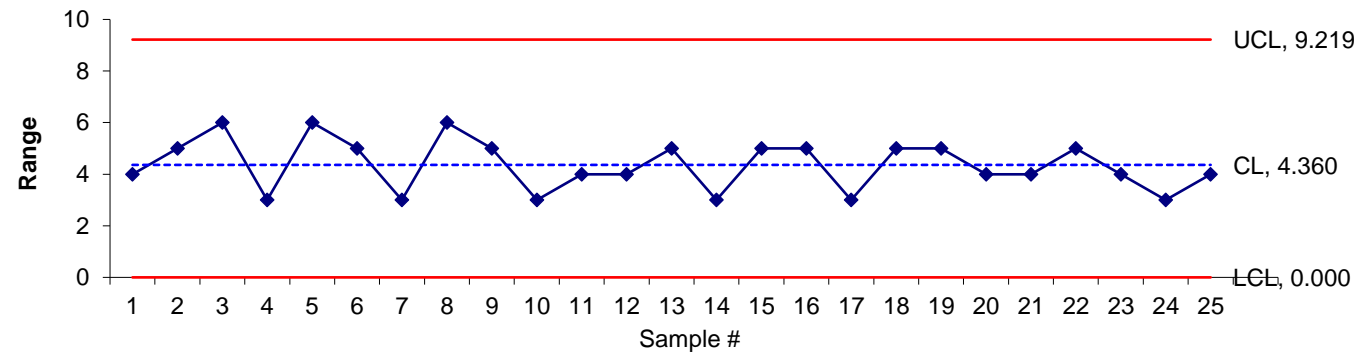
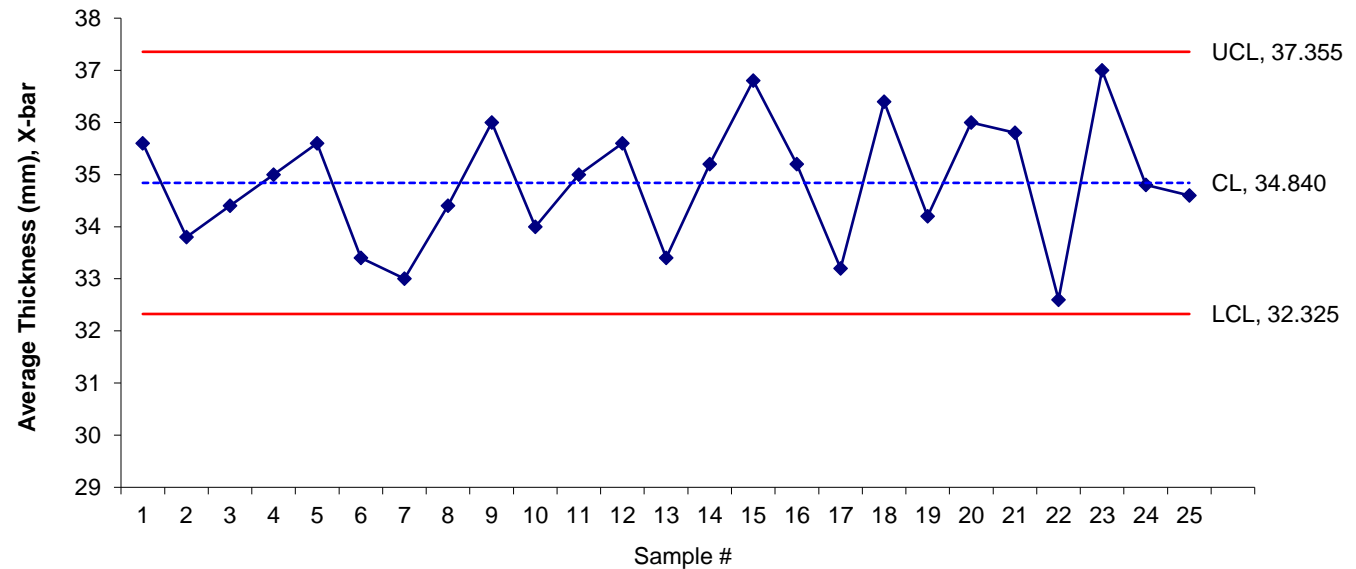
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SIT DOLOR AMET

# Control Chart for Mean and Range

[Title or Process]  
[Date]

Quality Characteristic	Average Thickness (mm), X-bar
Sample Size, $n$	5
$k$	3



## Statistics from Data Table

R-bar	4.360
Process Mean, $\mu$ -hat	34.840
Process St.Dev., $\sigma$ -hat	1.874
$\sigma_{X\text{-bar}}$	0.838

## Process Capability

Upper Spec Limit, USL	40
Lower Spec Limit, LSL	30
$C_p$	0.889
CPU	0.918
CPL	0.861
$C_{pk}$	0.861
Percent Yield	99.21%

## Control Limits for X-bar Chart

$CL_{X\text{-bar}}$	34.840
$UCL_{X\text{-bar}}$	37.355 $CL+k\sigma_{X\text{-bar}}$
$LCL_{X\text{-bar}}$	32.325 $CL-k\sigma_{X\text{-bar}}$
$\alpha$	0.0027
ARL	370.4 samples

## Control Limits for R Chart

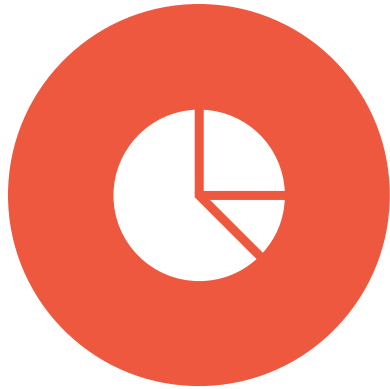
$CL_R$	4.360
$UCL_R$	9.219
$LCL_R$	0.000

Table 1. Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2019

Geographic Area	April 1, 2010		Population Estimate (as of July 1)						
	Census	Estimates Base	2010	2011	2012	2013	2014	2015	2016
<b>United States</b>	308,745,538	308,758,105	309,321,666	311,556,874	313,830,990	315,993,715	318,301,008	320,635,163	322,941,311
<b>Northeast</b>	55,317,240	55,318,443	55,380,134	55,604,223	55,775,216	55,901,806	56,006,011	56,034,684	56,042,330
<b>Midwest</b>	66,927,001	66,929,725	66,974,416	67,157,800	67,336,743	67,560,379	67,745,167	67,860,583	67,987,540
<b>South</b>	114,555,744	114,563,030	114,866,680	116,006,522	117,241,208	118,364,400	119,624,037	120,997,341	122,351,760
<b>West</b>	71,945,553	71,946,907	72,100,436	72,788,329	73,477,823	74,167,130	74,925,793	75,742,555	76,559,681
Alabama	4,779,736	4,780,125	4,785,437	4,799,069	4,815,588	4,830,081	4,841,799	4,852,347	4,863,525
Alaska	710,231	710,249	713,910	722,128	730,443	737,068	736,283	737,498	741,456
Arizona	6,392,017	6,392,288	6,407,172	6,472,643	6,554,978	6,632,764	6,730,413	6,829,676	6,941,072
Arkansas	2,915,918	2,916,031	2,921,964	2,940,667	2,952,164	2,959,400	2,967,392	2,978,048	2,989,918
California	37,253,956	37,254,519	37,319,502	37,638,369	37,948,800	38,260,787	38,596,972	38,918,045	39,167,117
Colorado	5,029,196	5,029,319	5,047,349	5,121,108	5,192,647	5,269,035	5,350,101	5,450,623	5,539,215
Connecticut	3,574,097	3,574,147	3,579,114	3,588,283	3,594,547	3,594,841	3,594,524	3,587,122	3,578,141
Delaware	897,934	897,937	899,593	907,381	915,179	923,576	932,487	941,252	948,921
District of Columbia	601,723	601,767	605,226	619,800	634,924	650,581	662,328	675,400	685,815
Florida	18,801,310	18,804,564	18,845,537	19,053,237	19,297,822	19,545,621	19,845,911	20,209,042	20,613,477
Georgia	9,687,653	9,688,729	9,711,881	9,802,431	9,901,430	9,972,479	10,067,278	10,178,447	10,301,890
Hawaii	1,360,301	1,360,307	1,363,963	1,379,329	1,394,804	1,408,243	1,414,538	1,422,052	1,427,559
Idaho	1,567,582	1,567,657	1,570,746	1,583,910	1,595,324	1,611,206	1,631,112	1,651,059	1,682,380
Illinois	12,830,632	12,831,572	12,840,503	12,867,454	12,882,510	12,895,129	12,884,493	12,858,913	12,820,527
Indiana	6,483,802	6,484,051	6,490,432	6,516,528	6,537,703	6,568,713	6,593,644	6,608,422	6,634,304
Iowa	3,046,355	3,046,871	3,050,745	3,066,336	3,076,190	3,092,997	3,109,350	3,120,960	3,131,371
Kansas	2,853,118	2,853,123	2,858,190	2,869,225	2,885,257	2,893,212	2,900,475	2,909,011	2,910,844
Kentucky	4,339,367	4,339,333	4,348,181	4,369,821	4,386,346	4,404,659	4,414,349	4,425,976	4,438,182
Louisiana	4,533,372	4,533,487	4,544,532	4,575,625	4,600,972	4,624,527	4,644,013	4,664,628	4,678,135
Maine	1,328,361	1,328,358	1,327,629	1,328,284	1,327,729	1,328,009	1,330,513	1,328,262	1,331,317
Maryland	5,773,552	5,773,794	5,788,645	5,839,419	5,886,992	5,923,188	5,957,283	5,985,562	6,003,323
Massachusetts	6,547,629	6,547,785	6,566,307	6,613,583	6,663,005	6,713,315	6,762,596	6,794,228	6,823,608
Michigan	9,883,640	9,884,116	9,877,510	9,882,412	9,897,145	9,913,065	9,929,848	9,931,715	9,950,571
Minnesota	5,303,925	5,303,927	5,310,828	5,346,143	5,376,643	5,413,479	5,451,079	5,482,032	5,522,744
Mississippi	2,967,297	2,968,130	2,970,548	2,978,731	2,983,816	2,988,711	2,990,468	2,988,471	2,987,938
Missouri	5,988,927	5,988,950	5,995,974	6,010,275	6,024,367	6,040,715	6,056,202	6,071,732	6,087,135
Montana	989,415	989,407	990,697	997,316	1,003,783	1,013,569	1,021,869	1,030,475	1,040,859
Nebraska	1,826,341	1,826,305	1,829,542	1,840,672	1,853,303	1,865,279	1,879,321	1,891,277	1,905,616
Nevada	2,700,551	2,700,677	2,702,405	2,712,730	2,743,996	2,775,970	2,817,628	2,866,939	2,917,563
New Hampshire	1,316,470	1,316,462	1,316,762	1,320,202	1,324,232	1,326,622	1,333,341	1,336,350	1,342,307
New Jersey	8,791,894	8,791,978	8,799,446	8,828,117	8,844,942	8,856,972	8,864,525	8,867,949	8,870,827
New Mexico	2,059,179	2,059,199	2,064,552	2,080,450	2,087,309	2,092,273	2,089,568	2,089,291	2,091,630

# Title Lorem Ipsum

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PELLENTESQUE HABITANT MORBI  
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Table 1. Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2019

Geographic Area	April 1, 2010		Population Estimate (as of July 1)						
	Census	Estimates Base	2010	2011	2012	2013	2014	2015	2016
New York	19,378,102	19,378,144	19,399,878	19,499,241	19,572,932	19,624,447	19,651,049	19,654,666	19,633,428
North Carolina	9,535,483	9,535,751	9,574,323	9,657,592	9,749,476	9,843,336	9,932,887	10,031,646	10,154,788
North Dakota	672,591	672,576	674,715	685,225	701,176	722,036	737,401	754,066	754,434
Ohio	11,536,504	11,536,751	11,539,336	11,544,663	11,548,923	11,576,684	11,602,700	11,617,527	11,634,370
Oklahoma	3,751,351	3,751,582	3,759,944	3,788,379	3,818,814	3,853,214	3,878,187	3,909,500	3,926,331
Oregon	3,831,074	3,831,079	3,837,491	3,872,036	3,899,001	3,922,468	3,963,244	4,015,792	4,089,976
Pennsylvania	12,702,379	12,702,868	12,711,160	12,745,815	12,767,118	12,776,309	12,788,313	12,784,826	12,782,275
Rhode Island	1,052,567	1,052,964	1,053,959	1,053,649	1,054,621	1,055,081	1,055,936	1,056,065	1,056,770
South Carolina	4,625,364	4,625,366	4,635,649	4,671,994	4,717,354	4,764,080	4,823,617	4,891,938	4,957,968
South Dakota	814,180	814,198	816,166	823,579	833,566	842,316	849,129	853,988	862,996
Tennessee	6,346,105	6,346,276	6,355,311	6,399,291	6,453,898	6,494,340	6,541,223	6,591,170	6,646,010
Texas	25,145,561	25,146,091	25,241,971	25,645,629	26,084,481	26,480,266	26,964,333	27,470,056	27,914,410
Utah	2,763,885	2,763,891	2,775,332	2,814,384	2,853,375	2,897,640	2,936,879	2,981,835	3,041,868
Vermont	625,741	625,737	625,879	627,049	626,090	626,210	625,214	625,216	623,657
Virginia	8,001,024	8,001,049	8,023,699	8,101,155	8,185,080	8,252,427	8,310,993	8,361,808	8,410,106
Washington	6,724,540	6,724,540	6,742,830	6,826,627	6,897,058	6,963,985	7,054,655	7,163,657	7,294,771
West Virginia	1,852,994	1,853,018	1,854,239	1,856,301	1,856,872	1,853,914	1,849,489	1,842,050	1,831,023
Wisconsin	5,686,986	5,687,285	5,690,475	5,705,288	5,719,960	5,736,754	5,751,525	5,760,940	5,772,628
Wyoming	563,626	563,775	564,487	567,299	576,305	582,122	582,531	585,613	584,215
<b>Puerto Rico</b>	3,725,789	3,726,157	3,721,525	3,678,732	3,634,488	3,593,077	3,534,874	3,473,232	3,406,672

Note: The estimates are based on the 2010 Census and reflect changes to the April 1, 2010 population due to the Count Question Resolution program and geographic program revisions. See Geographic Terms and Definitions at <http://www.census.gov/programs> a list of the states that are included in each region. All geographic boundaries for the 2019 population estimates series except statistical area delineations are as of January 1, 2019. For population estimates methodology statements, see <http://www.census.gov/c>

**Suggested Citation:**

**Table 1. Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2019 (NST-EST2019-01)**

**Source: U.S. Census Bureau, Population Division**

**Release Date: December 2019**

# Hello World

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First

Second

Third

Fourth

**Data Table****X-bar Chart****R Chart**

<i>Sample</i>	<i>X-bar</i>	<i>Range</i>	CL	UCL	LCL	CL	UCL	LCL
1	35.6	4	34.840	37.355	32.325	4.360	9.219	0.000
2	33.8	5	34.840	37.355	32.325	4.360	9.219	0.000
3	34.4	6	34.840	37.355	32.325	4.360	9.219	0.000
4	35	3	34.840	37.355	32.325	4.360	9.219	0.000
5	35.6	6	34.840	37.355	32.325	4.360	9.219	0.000
6	33.4	5	34.840	37.355	32.325	4.360	9.219	0.000
7	33	3	34.840	37.355	32.325	4.360	9.219	0.000
8	34.4	6	34.840	37.355	32.325	4.360	9.219	0.000
9	36	5	34.840	37.355	32.325	4.360	9.219	0.000
10	34	3	34.840	37.355	32.325	4.360	9.219	0.000
11	35	4	34.840	37.355	32.325	4.360	9.219	0.000
12	35.6	4	34.840	37.355	32.325	4.360	9.219	0.000
13	33.4	5	34.840	37.355	32.325	4.360	9.219	0.000
14	35.2	3	34.840	37.355	32.325	4.360	9.219	0.000
15	36.8	5	34.840	37.355	32.325	4.360	9.219	0.000
16	35.2	5	34.840	37.355	32.325	4.360	9.219	0.000
17	33.2	3	34.840	37.355	32.325	4.360	9.219	0.000
18	36.4	5	34.840	37.355	32.325	4.360	9.219	0.000
19	34.2	5	34.840	37.355	32.325	4.360	9.219	0.000
20	36	4	34.840	37.355	32.325	4.360	9.219	0.000
21	35.8	4	34.840	37.355	32.325	4.360	9.219	0.000
22	32.6	5	34.840	37.355	32.325	4.360	9.219	0.000
23	37	4	34.840	37.355	32.325	4.360	9.219	0.000
24	34.8	3	34.840	37.355	32.325	4.360	9.219	0.000
25	34.6	4	34.840	37.355	32.325	4.360	9.219	0.000

Table 1. Annual Estimates of the F

Geographic Area			
	2017	2018	2019
United States	324,985,539	326,687,501	328,239,523
Northeast	56,059,240	56,046,620	55,982,803
Midwest	68,126,781	68,236,628	68,329,004
South	123,542,189	124,569,433	125,580,448
West	77,257,329	77,834,820	78,347,268
Alabama	4,874,486	4,887,681	4,903,185
Alaska	739,700	735,139	731,545
Arizona	7,044,008	7,158,024	7,278,717
Arkansas	3,001,345	3,009,733	3,017,804
California	39,358,497	39,461,588	39,512,223
Colorado	5,611,885	5,691,287	5,758,736
Connecticut	3,573,297	3,571,520	3,565,287
Delaware	956,823	965,479	973,764
District of Columbia	694,906	701,547	705,749
Florida	20,963,613	21,244,317	21,477,737
Georgia	10,410,330	10,511,131	10,617,423
Hawaii	1,424,393	1,420,593	1,415,872
Idaho	1,717,715	1,750,536	1,787,065
Illinois	12,778,828	12,723,071	12,671,821
Indiana	6,658,078	6,695,497	6,732,219
Iowa	3,141,550	3,148,618	3,155,070
Kansas	2,908,718	2,911,359	2,913,314
Kentucky	4,452,268	4,461,153	4,467,673
Louisiana	4,670,560	4,659,690	4,648,794
Maine	1,334,612	1,339,057	1,344,212
Maryland	6,023,868	6,035,802	6,045,680
Massachusetts	6,859,789	6,882,635	6,892,503
Michigan	9,973,114	9,984,072	9,986,857
Minnesota	5,566,230	5,606,249	5,639,632
Mississippi	2,988,510	2,981,020	2,976,149
Missouri	6,106,670	6,121,623	6,137,428
Montana	1,052,482	1,060,665	1,068,778
Nebraska	1,915,947	1,925,614	1,934,408
Nevada	2,969,905	3,027,341	3,080,156
New Hampshire	1,348,787	1,353,465	1,359,711
New Jersey	8,885,525	8,886,025	8,882,190
New Mexico	2,091,784	2,092,741	2,096,829

# Control Chart for Mean and Standard Deviation

[Title or Process]

[Date]

## Quality Characteristic

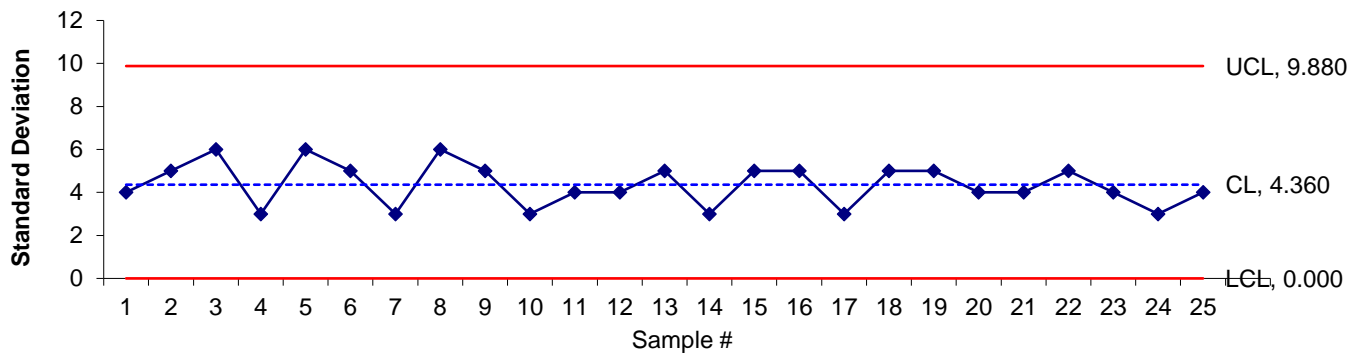
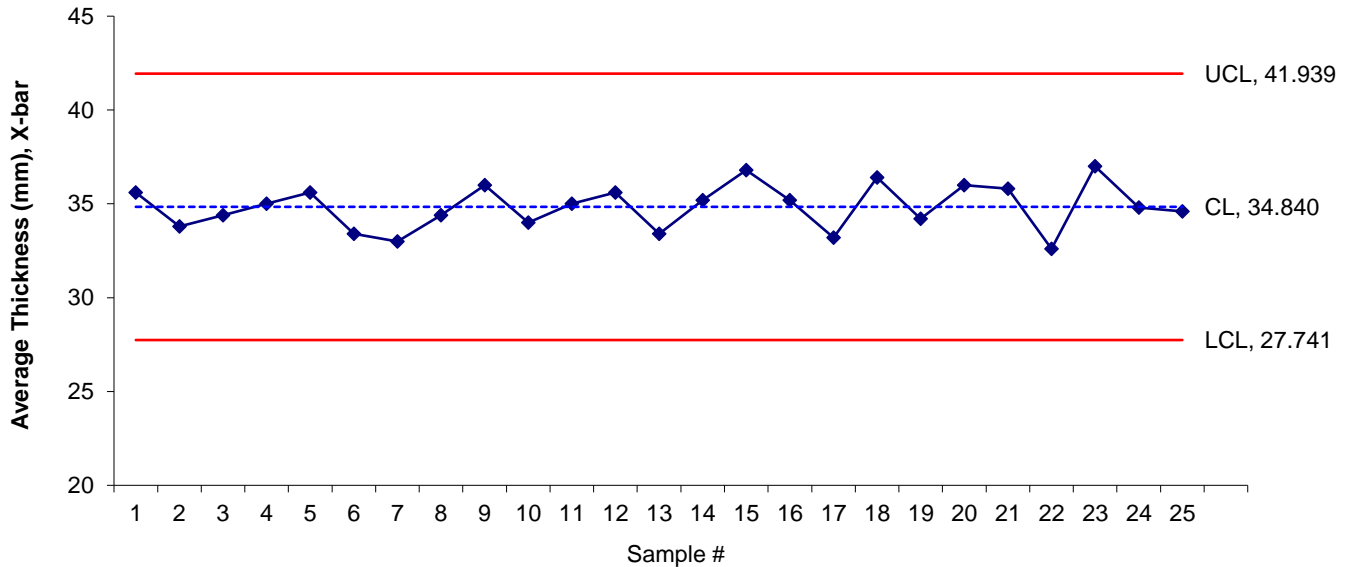
Sample Size,  $n$

$k$

Average Thickness (mm), X-bar

4

3



## Statistics from Data Table

s-bar	4.360
$c_4$	0.9213
Process St.Dev., $\sigma$ -hat	4.732
Process Mean, $\mu$ -hat	34.840
$\sigma_{X\text{-bar}}$	2.366
$\sigma_s$	1.840

## Process Capability

Upper Spec Limit, USL	45
Lower Spec Limit, LSL	25
$C_p$	0.704
CPU	0.716
CPL	0.693
$C_{pk}$	0.693
Percent Yield	96.53%

## Control Limits for X-bar Chart

$CL_{X\text{-bar}}$	34.840
$UCL_{X\text{-bar}}$	41.939
$LCL_{X\text{-bar}}$	27.741
$\alpha$	0.0027
ARL	370.4 samples

## Control Limits for S Chart

$CL_s$	4.360
$UCL_s$	9.880
$LCL_s$	0.000

Table 1. Annual Estimates of the F			
Geographic Area			
	2017	2018	2019
New York	19,589,572	19,530,351	19,453,561
North Carolina	10,268,233	10,381,615	10,488,084
North Dakota	754,942	758,080	762,062
Ohio	11,659,650	11,676,341	11,689,100
Oklahoma	3,931,316	3,940,235	3,956,971
Oregon	4,143,625	4,181,886	4,217,737
Pennsylvania	12,787,641	12,800,922	12,801,989
Rhode Island	1,055,673	1,058,287	1,059,361
South Carolina	5,021,268	5,084,156	5,148,714
South Dakota	872,868	878,698	884,659
Tennessee	6,708,799	6,771,631	6,829,174
Texas	28,295,273	28,628,666	28,995,881
Utah	3,101,042	3,153,550	3,205,958
Vermont	624,344	624,358	623,989
Virginia	8,463,587	8,501,286	8,535,519
Washington	7,423,362	7,523,869	7,614,893
West Virginia	1,817,004	1,804,291	1,792,147
Wisconsin	5,790,186	5,807,406	5,822,434
Wyoming	578,931	577,601	578,759
Puerto Rico	3,325,286	3,193,354	3,193,694
Note: The estimates are based on the 2010 C+s-surveys/popest/guidance-geographies/terms-and-definitions.html for a list of the states that are included in each regoagrams-surveys/popest/technical-documentation/methodology.html.			
<b>Suggested Citation:</b>			
<b>Table 1. Annual Estimates of the Resident I</b>			
<b>Source: U.S. Census Bureau, Population D</b>			
<b>Release Date: December 2019</b>			

**Data Table****X-bar Chart****R Chart**

<i>Sample</i>	<i>X-bar</i>	<i>St. Dev., s</i>	CL	UCL	LCL	CL	UCL	LCL
1	35.6	4	34.840	41.939	27.741	4.360	9.880	0.000
2	33.8	5	34.840	41.939	27.741	4.360	9.880	0.000
3	34.4	6	34.840	41.939	27.741	4.360	9.880	0.000
4	35	3	34.840	41.939	27.741	4.360	9.880	0.000
5	35.6	6	34.840	41.939	27.741	4.360	9.880	0.000
6	33.4	5	34.840	41.939	27.741	4.360	9.880	0.000
7	33	3	34.840	41.939	27.741	4.360	9.880	0.000
8	34.4	6	34.840	41.939	27.741	4.360	9.880	0.000
9	36	5	34.840	41.939	27.741	4.360	9.880	0.000
10	34	3	34.840	41.939	27.741	4.360	9.880	0.000
11	35	4	34.840	41.939	27.741	4.360	9.880	0.000
12	35.6	4	34.840	41.939	27.741	4.360	9.880	0.000
13	33.4	5	34.840	41.939	27.741	4.360	9.880	0.000
14	35.2	3	34.840	41.939	27.741	4.360	9.880	0.000
15	36.8	5	34.840	41.939	27.741	4.360	9.880	0.000
16	35.2	5	34.840	41.939	27.741	4.360	9.880	0.000
17	33.2	3	34.840	41.939	27.741	4.360	9.880	0.000
18	36.4	5	34.840	41.939	27.741	4.360	9.880	0.000
19	34.2	5	34.840	41.939	27.741	4.360	9.880	0.000
20	36	4	34.840	41.939	27.741	4.360	9.880	0.000
21	35.8	4	34.840	41.939	27.741	4.360	9.880	0.000
22	32.6	5	34.840	41.939	27.741	4.360	9.880	0.000
23	37	4	34.840	41.939	27.741	4.360	9.880	0.000
24	34.8	3	34.840	41.939	27.741	4.360	9.880	0.000
25	34.6	4	34.840	41.939	27.741	4.360	9.880	0.000



# Control Chart Template



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