Mathematical Math	In [1]:	<pre>import pandas as import numpy as import seaborn a import matplotli</pre>	np is sns	lt						
Part		<pre>symptoms = pd.read_csv(path) symptoms.head()</pre>								Jitter:DDP
The Control of Contr		 phon_R01_S01_2 phon_R01_S01_3 phon_R01_S01_4 phon_R01_S01_5 	122.400 116.682 116.676	148.650 131.111 137.871	113.819 111.555 111.366	0.00968 0.01050 0.00997	0.00008 0.00009 0.00009	0.00465 0.00544 0.00502	0.00696 0.00781 0.00698	0.01394 0.01633 0.01505
March Marc			count mean	std						
March 180 180		MDVP:Fhi(Hz) MDVP:Flo(Hz) MDVP:Jitter(%)	195.0 197.104918 195.0 116.324631 195.0 0.006220	91.491548 43.521413 0.004848	102.145000 134.8 65.476000 84.2 0.001680 0.0	62500 175.829000 91000 104.315000 03460 0.004940	224.205500 5 140.018500 2 0.007365	592.030000 239.170000 0.033160		
Martin		MDVP:RAP MDVP:PPQ Jitter:DDP	195.0 0.003306 195.0 0.003446 195.0 0.009920	0.002968 0.002759 0.008903	0.000680 0.0 0.000920 0.0 0.002040 0.0	0.002500 0.002500 0.002690 0.007490	0.003835 0.003955 0.011505	0.021440 0.019580 0.064330		
March 1		MDVP:Shimmer(dB) Shimmer:APQ3 Shimmer:APQ5	195.0 0.282251 195.0 0.015664 195.0 0.017878	0.194877 0.010153 0.012024	0.085000 0.1 0.004550 0.0 0.005700 0.0	48500 0.221000 08245 0.012790 09580 0.013470	0.350000 0.020265 0.022380	1.302000 0.056470 0.079400		
1		NHR HNR	195.0 0.024847 195.0 21.885974	0.040418 4.425764	0.000650 0.0 8.441000 19.1	0.011660 98000 22.085000	0.025640 25.075500	0.314820 33.047000		
Mathematical Property Prope		DFA spread1	195.0 0.718099 195.0 -5.684397	0.055336 1.090208	0.574282	74758 0.722254 50096 -5.720868	0.761881 -5.046192	0.825288		
Mathematical Math	In [7]:	PPE								
Mathematical Math	Out[7]:	MDVP:Fo(Hz) MDVP:Fhi(Hz)	1.000000 0.400985	0.400985 1.000000	0.596546 0.084951	-0.118003 0.102086	-0.382027 -0.029198	-0.076194 0.097177	-0.112165 0.091126	0.097150
Martin		MDVP:Jitter(Abs) MDVP:RAP MDVP:PPQ	-0.382027 -0.076194 -0.112165	-0.029198 0.097177 0.091126	-0.277815 -0.100519 -0.095828	0.935714 0.990276 0.974256	1.000000 0.922911 0.897778	0.922911 1.000000 0.957317	0.897778 0.957317 1.000000	0.922913 1.000000 0.957319
Mathematical		MDVP:Shimmer MDVP:Shimmer(dB) Shimmer:APQ3	-0.098374 -0.073742 -0.094717	0.002281 0.043465 -0.003743	-0.144543 -0.119089 -0.150747	0.769063 0.804289 0.746625	0.703322 0.716601 0.697153	0.759581 0.790652 0.744912	0.797826 0.839239 0.763580	0.759555 0.790621 0.744894
Mathematical		MDVP:APQ Shimmer:DDA NHR	-0.077774 -0.094732 -0.021981	0.004937 -0.003733 0.163766	-0.107293 -0.150737 -0.108670	0.758255 0.746635 0.906959	0.648793 0.697170 0.834972	0.737455 0.744919 0.919521	0.804139 0.763592 0.844604	0.737439 0.744901 0.919548
Mathematical		status RPDE DFA	-0.383535 -0.383894 -0.446013	-0.166136 -0.112404 -0.343097	-0.380200 -0.400143 -0.050406	0.278220 0.360673 0.098572	0.338653 0.441839 0.175036	0.266668 0.342140 0.064083	0.288698 0.333274 0.196301	0.266646 0.342079 0.064026
State Stat		D2 PPE	0.177980 -0.372356	0.176323	-0.100629	0.433434	0.310694	0.426605	0.412524	0.426556
Part		MDVP:Fo(Hz) MDVP:Fhi(Hz)	-0.627898 7.627241	y = True)						
Part		MDVP:Jitter(%) MDVP:Jitter(Abs) MDVP:RAP MDVP:PPQ Jitter:DDP MDVP:Shimmer MDVP:Shimmer(dB)	12.030939 10.869043 14.213798 11.963922 14.224762 3.238308 5.128193							
Part		Shimmer:APQ5 MDVP:APQ Shimmer:DDA NHR HNR status RPDE	3.874210 11.163288 2.720661 21.994974 0.616036 -0.595518 -0.921781							
Company Comp	In [9]:	spread1 spread2 D2 PPE dtype: float64	-0.050199 -0.083023 0.220334 0.528335	True)						
Section 1 And Se	Out[9]:	MDVP:Fo(Hz) MDVP:Fhi(Hz) MDVP:Flo(Hz) MDVP:Jitter(%) MDVP:Jitter(Abs)	0.591737 2.542146 1.217350 3.084946 2.649071	1146)						
### 1, 1500 Section 1 1500 Section 2		MDVP:PPQ Jitter:DDP MDVP:Shimmer MDVP:Shimmer(dB) Shimmer:APQ3 Shimmer:APQ5 MDVP:APQ	3.073892 3.362058 1.666480 1.999389 1.580576 1.798697 2.618047							
1		NHR HNR status RPDE DFA spread1 spread2	4.220709 -0.514317 -1.187727 -0.143402 -0.033214 0.432139 0.144430							
1. 1.		<pre>ppE dtype: float64 symptoms['MDVP:F</pre>	0.797491	kind='box')					
1		225 - 200 -								
1. 1.		150 - 125 -								
### 10.1.1.1 (Auto-Household Section 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	n [12]:	print('Kurtosis Skewness: 0.591	: ',symptoms[: ',symptoms[17374636540785	'MDVP:Fo(H		())				
### 100 ### 10		<axessubplot:></axessubplot:>		(kind='box	(**)					
100		400 -								
Color			MDVP:Fhi(Hz)							
Manufacture		print('Kurtosis Skewness: 2.542 Kurtosis: 7.627	: ',symptoms[2145997588399 7241211631892	'MDVP:Fhi(Hz)'].kurtosi:	5())				
1117	ut[16]:	<axessubplot:></axessubplot:>		(KING- BOX						
Color		175 - 150 - 125 -								
1.131	n [17]:	print('Skewness	: ',symptoms[5())				
		Kurtosis: 0.654 symptoms['MDVP:3	16145211395391		ox')					
### AND PRINTED AN	~1.	0.030 - 0.025 -	8							
### 17912 ###################################		0.015 -								
### Symptoms ("Move soltes (obes)") size (kinder bea") ###################################	n [19]:	print('Kurtosis Skewness: 3.084	: ',symptoms[: ',symptoms[19462014441817	'MDVP:Jitt 'MDVP:Jitt						
000000		<pre>symptoms['MDVP:3 <axessubplot:></axessubplot:></pre>	fitter(Abs)'].		'box')					
000000		0.00020 - 0.00015 -	0							
print('Nurtosis : ',symptoms' 'MDVP:RAP').kurtosis()) Skewness : 2.6499744(5259274 Nurtosis : 10.88004257763667 DOID		0.00005 -	MDVP:Jitter	(Abs)						
### Symptoms [*MOVP.PRQ*] ###################################		print('kurtosis Skewness: 2.649 kurtosis: 10.86	: ',symptoms[90714165257274 59042517763667	'MDVP:Jitt						
0015 0010 0000 MDVP:RAP print('Skewness: ','symptoms['MDVP:RAP'].skew()) print('Kurtosis: ','symptoms['MDVP:RAP'].kurtosis()) Skewness: 3.3607084504805536 Kurtosis: 14.213797721522422 # [26]: symptoms['MDVP:PPQ'].plot(kind='box') ## [26]: <axessubplot:> 00200 00175 00150 00150 001050</axessubplot:>		<axessubplot:></axessubplot:>	0	d='box')						
Definite ('Skewness: ',symptoms['MDVP:RAP'].skew()) print('Kurtosis: ',symptoms['MDVP:RAP'].kurtosis()) Skewness: 3.3607084504805536 Kurtosis: 14.213797721522422 n [26]: symptoms['MDVP:PPQ'].plot(kind='box') ut[26]: <axessubplot:> 00200 00175 00100 00105 00105 00005 00005 00005 00005 00005 00005 00005 00005 00005 00000 MDVP:PPQ'].skew())</axessubplot:>		0.010 -	0							
print('Skewness: ',symptoms['MDVP:RAP'].kurtosis()) Skewness: 3.3607084504805536 Kurtosis: 14.213797721522422 n [26]: symptoms['MDVP:PPQ'].plot(kind='box') ut[26]: <axessubplot:> 00200</axessubplot:>	n [25]:	print('Skewness	: ',symptoms['MDVP:RAP'].skew())					
0.0200	n [26]:	print('Kurtosis Skewness: 3.360 Kurtosis: 14.21	: ',symptoms[07084504805536 13797721522422	'MDVP:RAP'].kurtosis())					
0.0100 -	ut[26]:	0.0200 - 0.0175 - 0.0150 -								
n [27]: print('Skewness: ',symptoms['MDVP:PPQ'].skew())		0.0100 - 0.0075 - 0.0050 -]						
<pre>print('Kurtosis : ',symptoms['MDVP:PPQ'].kurtosis())</pre>	n [27]:	print('Skewness	: ',symptoms['MDVP:PPQ'						