Correlation between year and paper amount per group

	Data		
Year	Group 1 Amount	Group 2 Amount	Group 3 Amount
1997	7	1	1
1998	4	3	*
1999	4	2	1
2000	9	1	2
2001	12	*	5
2002	7	3	1
2003	4	*	5
2004	11	1	2
2005	17	2	6
2006	10	1	4
2007	18	2	3
2008	24	1	6
2009	22	2	13
2010	19	*	10
2011	21	2	10
2012	26	3	11
2013	39	4	12
2014	45	4	14

Group 1
Normality checking

As group 1 has 18 subjects (lines in Data table excluding missing values), we use Shapiro-Wilk test.
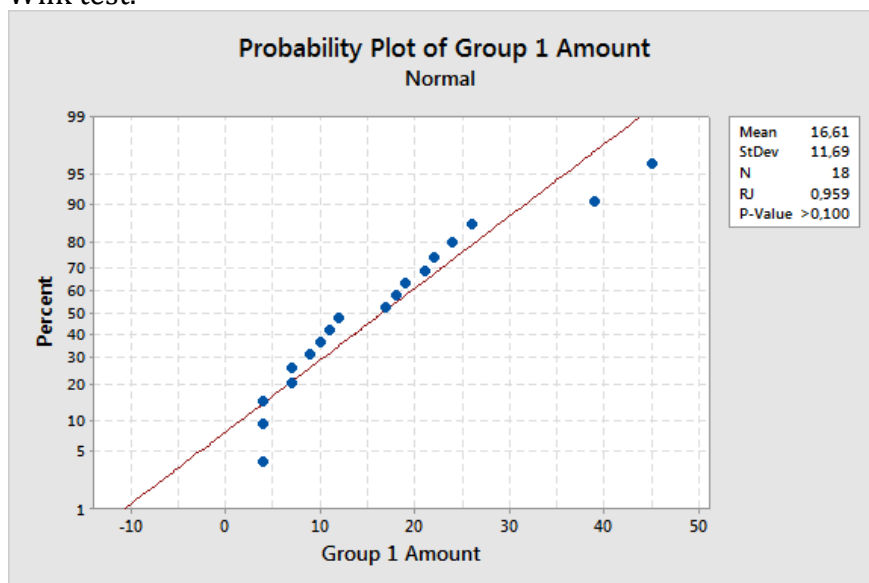
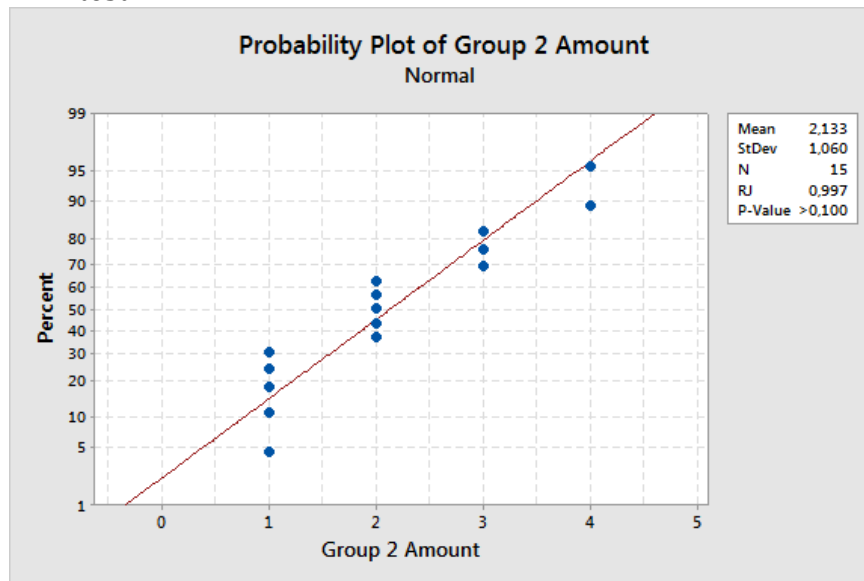With a p-value > 0.100, the sample has **normal** distribution.

With a normal distribution, a parametric correlation method is used. In this case, we use Pearson's. Below text is extracted from Minitab Tool after applying Pearson correlation to the data.

Correlation: Year; Group 1 Amount

```
Pearson correlation of Year and Group 1 Amount = 0,882
P-Value = 0,000
```

Group 2
Normality checking
As group 2 has 15 subjects (lines in Data table excluding missing values), we use Shapiro-Wilk test.

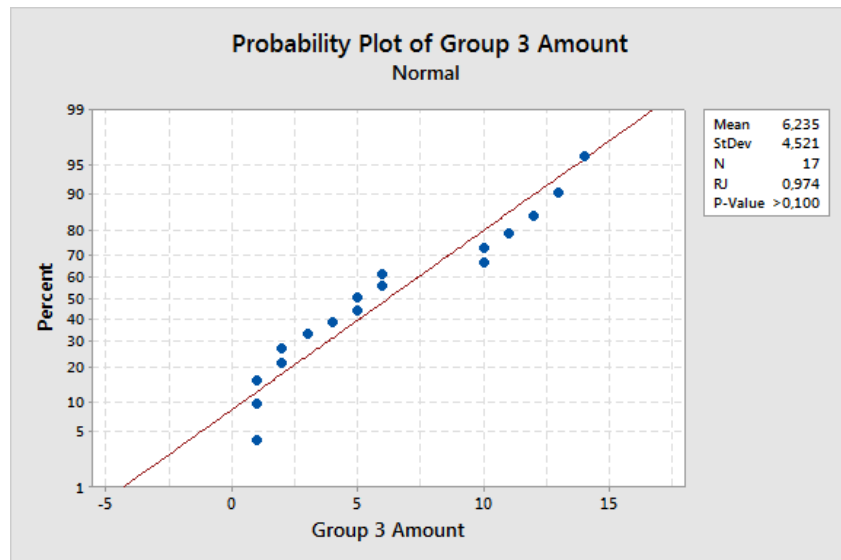With a p-value > 0.100, the sample has **normal** distribution.
With a normal distribution, a parametric correlation method is used. In this case, we use Pearson's. Below text is extracted from Minitab Tool after applying Pearson correlation to the data.

Correlation: Year; Group 2 Amount

```
Pearson correlation of Year and Group 2 Amount = 0,478
P-Value = 0,071
```

Group 3
Normality checking
As group 3 has 17 subjects (lines in Data table excluding missing values), we use Shapiro-Wilk test.

Probability Plot of Group 3 Amount — Normal

Mean	6,235
StDev	4,521
N	17
RJ	0,974
P-Value	>0,100

With a p-value > 0.100, the sample has **normal** distribution.
With a normal distribution, a parametric correlation method is used. In this case, we use Pearson's. Below text is extracted from Minitab Tool after applying Pearson correlation to the data.

Correlation: Group 3 Amount; Year

```
Pearson correlation of Group 3 Amount and Year = 0,886
P-Value = 0,000
```