

#### S4 Kruskal-Wallis test – p-Coumaric acid

Variable	Minimum	Maximum	Mean	Std. deviation
1 <sup>st</sup>	5.828	6.006	5.925	0.090
2 <sup>nd</sup>	38.906	39.360	39.057	0.262
3 <sup>rd</sup>	49.805	51.008	50.206	0.695
4 <sup>th</sup>	11.053	11.999	11.439	0.497
5 <sup>th</sup>	5.761	7.334	6.475	0.796
6 <sup>th</sup>	2.433	3.401	2.801	0.524
7 <sup>th</sup>	5.126	6.130	5.596	0.506
8 <sup>th</sup>	37.299	39.396	38.264	1.059
9 <sup>th</sup>	3.564	5.011	4.060	0.824
10 <sup>th</sup>	17.634	18.539	18.076	0.453
12 <sup>th</sup>	2.999	3.972	3.410	0.503
13 <sup>th</sup>	6.990	8.223	7.433	0.686
14 <sup>th</sup>	5.446	6.945	6.031	0.802

Sample	Sum of ranks	Mean of ranks	Groups	
3 <sup>rd</sup>	114.000	38.000	<b>A</b>	
2 <sup>nd</sup>	102.000	34.000	A	B
8 <sup>th</sup>	99.000	33.000	A	B
10 <sup>th</sup>	87.000	29.000	B	C
4 <sup>th</sup>	78.000	26.000	B	C D
13 <sup>th</sup>	67.000	22.333	C	D E
5 <sup>th</sup>	56.000	18.667	D	E F
1 <sup>st</sup>	48.000	16.000	E	F
14 <sup>th</sup>	44.000	14.667	E	F G
7 <sup>th</sup>	40.000	13.333	F	G
9 <sup>th</sup>	22.000	7.333	G	H
12 <sup>th</sup>	15.000	5.000		<b>H</b>
6 <sup>th</sup>	8.000	2.667		<b>H</b>

	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	12 <sup>th</sup>	13 <sup>th</sup>	14 <sup>th</sup>
1 <sup>st</sup>	No	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	No	<b>Yes</b>	No	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	No	No
2 <sup>nd</sup>	<b>Yes</b>	No	No	No	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	No	<b>Yes</b>	No	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
3 <sup>rd</sup>	<b>Yes</b>	No	No	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	No	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
4 <sup>th</sup>	<b>Yes</b>	No	<b>Yes</b>	No	No	<b>Yes</b>	<b>Yes</b>	No	<b>Yes</b>	No	<b>Yes</b>	No	<b>Yes</b>
5 <sup>th</sup>	No	<b>Yes</b>	<b>Yes</b>	No	No	<b>Yes</b>	No	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	No	No
6 <sup>th</sup>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	No	<b>Yes</b>	<b>Yes</b>	No	<b>Yes</b>	No	<b>Yes</b>	<b>Yes</b>
7 <sup>th</sup>	No	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	No	<b>Yes</b>	No	<b>Yes</b>	No	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	No
8 <sup>th</sup>	<b>Yes</b>	No	No	No	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	No	<b>Yes</b>	No	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>

9 <sup>th</sup>	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No	Yes	No	Yes	No
10 <sup>th</sup>	Yes	No	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes
12 <sup>th</sup>	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	No	Yes	Yes
13 <sup>th</sup>	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No	Yes	No	No
14 <sup>th</sup>	No	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes	No	No