Anhang TODO: Ergebnisse der Korrelationsanalyse in R

Die Variable x entspricht stets dem Erscheinungsjahr

data gibt an, wie welche Lieder in die Analyse mit einfließen, dafür gilt:

„gesamt“ = Please Please Me(1963) – Let It Be(1969)

„phase1“ = Please Please Me(1963) – Sgt. Pepper’s Lonely Hearts Club Band(1967)

„phase2“ = Sgt. Pepper’s Lonely Hearts Club Band(1967) – Let It Be(1969)

Tabellarische Auflistung der Korrelationskoeffizienten mit den Variablen „Ebenen-Anteil“ und „Erscheinungsjahr“. Dabei stehen „e1+e2“ für ebene1 + ebene2 und „ce1+ce2“ für chord\_ebene1 + chord\_ebene2:

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ebene1 | ebene2 | ebene3 | ebene4 | c\_ebene1 | c\_ebene2 | c\_ebene3 | c\_ebene4 | e1+e2 | e3+e4 | ce1+ce2 | ce3+ce4 |
| gesamt | -0.182453 | -0.116873 | 0.076703 | 0.1933093 | -0.131681 | -0.074344 | 0.0824789 | 0.149587 | -0.20799 | 0.20799 | -0.16658 | 0.16658 |
| phase1 | -0.215689 | -0.225184 | 0.143410 | 0.254816 | -0.22086 | -0.117973 | 0.179204 | 0.202894 | -0.30399 | 0.30399 | -0.27879 | 0.27879 |
| phase2 | 0.101686 | -0.051975 | -0.006065 | -0.040354 | 0.056815 | -0.033323 | -0.028537 | -0.0040508 | 0.037153 | -0.037153 | 0.025109 | -0.025109 |

Die folgenden Konsole-Auszüge zeigen die R-Ausgabe für die angegebenen Eingabe-Parameter:

**Stichprobe: gesamt**

|  |  |
| --- | --- |
| **data = gesamt (n=183); y = ebene1**  t = -2.4966, df = 181, **p-value = 0.01343** 95 percent confidence interval:  -0.31906522 -0.03841294 sample estimates:  **cor  -0.182453** | **data = gesamt (n=183); y = ebene2**  t = -1.5832, df = 181, **p-value = 0.1151** 95 percent confidence interval:  -0.25756338 0.02866942 sample estimates:  **cor  -0.1168733** |
| **data = gesamt (n=183); y = ebene3**  t = 1.035, df = 181, **p-value = 0.3021** 95 percent confidence interval:  -0.06912257 0.21931960 sample estimates:  **cor  0.07670316** | **data = gesamt (n=183); y = ebene4**  t = 2.6507, df = 181, **p-value = 0.008744** 95 percent confidence interval:  0.04964468 0.32913665 sample estimates:  **cor  0.1933093** |
| **data = gesamt (n=183); y = chord\_ebene1**  t = -1.7871, df = 181, **p-value = 0.07559** 95 percent confidence interval:  -0.27155038 0.01363646 sample estimates:  **cor  -0.1316807** | **data = gesamt (n=183); y = chord\_ebene2**  t = -1.003, df = 181, **p-value = 0.3172** 95 percent confidence interval:  -0.21705969 0.07148371 sample estimates:  **cor  -0.07434383** |
| **data = gesamt (n=183); y = chord\_ebene3**  t = 1.1134, df = 181, **p-value = 0.267** 95 percent confidence interval:  -0.06333545 0.22484552 sample estimates:  **cor  0.08247895** | **data = gesamt (n=183); y = chord\_ebene4**  t = 2.0354, df = 181, **p-value = 0.04327** 95 percent confidence interval:  0.004631129 0.288386350 sample estimates:  **cor  0.1495873** |
| **data = gesamt (n=183); y = ebene1+ebene2**  t = -2.8608, df = 181, **p-value = 0.004723** 95 percent confidence interval:  -0.34270917 -0.06489351 sample estimates:  **cor  -0.2079923** | **data = gesamt (n=183); y = ebene3+ebene4**  t = 2.8608, df = 181, **p-value = 0.004723** 95 percent confidence interval:  0.06489351 0.34270917 sample estimates:  **cor  0.2079923** |
| **data = gesamt (n=183); y = chord\_ebene1+chord\_ebene2**  t = -2.2729, df = 181, **p-value = 0.02421** 95 percent confidence interval:  -0.30428362 -0.02205581 sample estimates:  **cor  -0.1665795** | **data = gesamt (n=183); y = chord\_ebene3+chord\_ebene4**  t = 2.2729, df = 181, **p-value = 0.02421** 95 percent confidence interval:  0.02205581 0.30428362 sample estimates:  **cor  0.1665795** |

**Stichprobe: phase1**

|  |  |
| --- | --- |
| **data = phase1 (n=110); y = ebene1**  t = -2.2955, df = 108, **p-value = 0.02363** 95 percent confidence interval:  -0.3872893 -0.0296446 sample estimates:  **cor  -0.2156888** | **data = phase1 (n=110); y = ebene2**  t = -2.4019, df = 108, **p-value = 0.01802** 95 percent confidence interval:  -0.39573938 -0.03961251 sample estimates:  **cor  -0.2251838** |
| **data = phase1 (n=110); y = ebene3**  t = 1.5059, df = 108, **p-value = 0.135** 95 percent confidence interval:  -0.04504085 0.32200495 sample estimates:  **cor  0.1434101** | **data = phase1 (n=110); y = ebene4**  t = 2.7385, df = 108, **p-value = 0.00722** 95 percent confidence interval:  0.07096023 0.42192649 sample estimates:  **cor  0.254816** |
| **data = phase1 (n=110); y = chord\_ebene1**  t = -2.3533, df = 108, **p-value = 0.02042** 95 percent confidence interval:  -0.3918935 -0.0350670 sample estimates:  **cor  -0.2208583** | **data = phase1 (n=110); y = chord\_ebene2**  t = -1.2346, df = 108, **p-value = 0.2196** 95 percent confidence interval:  -0.29861777 0.07083355 sample estimates:  **cor  -0.1179726** |
| **data = phase1 (n=110); y = chord\_ebene3**  t = 1.893, df = 108, **p-value = 0.06104** 95 percent confidence interval:  -0.00831649 0.35454882 sample estimates:  **cor  0.179204** | **data = phase1 (n=110); y = chord\_ebene4**  t = 2.1533, df = 108, **p-value = 0.03352** 95 percent confidence interval:  0.01627061 0.37585657 sample estimates:  **cor  0.202894** |
| **data = phase1 (n=110); y = ebene1+ebene2**  t = -3.316, df = 108, **p-value = 0.001244** 95 percent confidence interval:  -0.4647737 -0.1237913 sample estimates:  **cor  -0.3039867** | **data = phase1 (n=110); y = ebene3+ebene4**  t = 3.316, df = 108, **p-value = 0.001244** 95 percent confidence interval:  0.1237913 0.4647737 sample estimates:  **cor  0.3039867** |
| **data = phase1 (n=110); y = chord\_ebene1+chord\_ebene2**  t = -3.0168, df = 108, **p-value = 0.003186** 95 percent confidence interval:  -0.44290765 -0.09658648 sample estimates:  **cor  -0.2787861** | **data = phase1 (n=110); y = chord\_ebene3+chord\_ebene4**  t = 3.0168, df = 108, **p-value = 0.003186** 95 percent confidence interval:  0.09658648 0.44290765 sample estimates:  **cor  0.2787861** |

**Stichprobe: phase2**

**data = phase2 (n=86); y = ebene1**

t = 0.93682, df = 84, **p-value = 0.3515**  
95 percent confidence interval:  
 -0.1126158 0.3069481  
sample estimates:  
 **cor   
0.1016858**