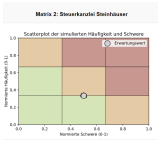
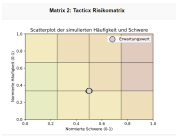
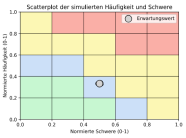
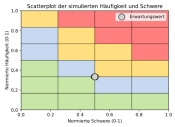
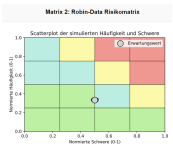
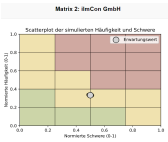
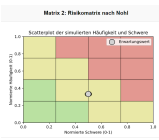
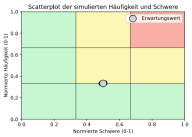
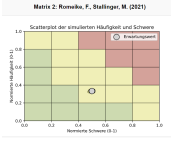
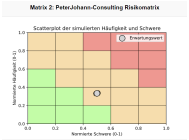
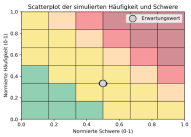
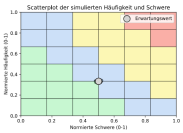
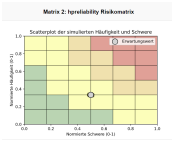
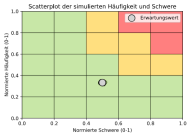
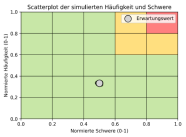
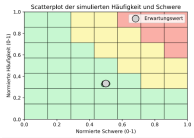
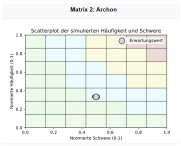
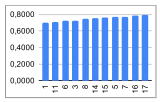
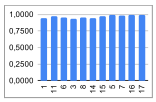
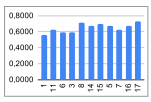
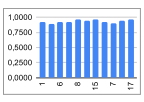
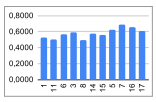
Risikomatrix Tests

1. Untersuchung verschieder Risikomatrizen nach eigenem Benchmark

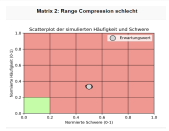
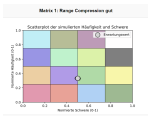
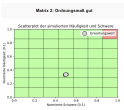
ID	Bild/ Screenshot	Benchmark-Score	Ordnungsmaß	Range-Compression	Overlap	Quantifying Errors	Quelle
10		0,6364	0,9039	0,5519	0,8889	0,3750	[1]
12		0,6377	0,8746	0,5417	0,8750	0,4167	[3]
13		0,6749	0,8670	0,5580	0,8920	0,5156	[4]
2		0,6836	0,9238	0,5843	0,8916	0,4833	Matrix 2: DIN EN 50126 Matrix
4		0,6903	0,9103	0,6594	0,9313	0,4167	[5]
9		0,6983	0,9403	0,5333	0,9000	0,5625	[7]
1		0,6992	0,9425	0,5563	0,9219	0,5278	[8]
11		0,7069	0,9695	0,6185	0,8888	0,5000	[9]
6		0,7212	0,9558	0,5880	0,9200	0,5625	[6]
3		0,7269	0,9354	0,5880	0,9200	0,5938	[10]

8		0,7451	0,9579	0,7144	0,9652	0,4900	[2]
14		0,7516	0,9441	0,6736	0,9472	0,5700	Matrix unabhängig erstellt
15		0,7619	0,9694	0,6910	0,9639	0,5600	[11]
5		0,7697	0,9879	0,6679	0,9199	0,6250	r., Louis A. Cox (2008). What's wrong with risk matrices? [Siehe Table IV in Abschnitt: "Discussion of Weak Consistency" auf Seite 502]. Risk Analysis, 28 (2), 497–512
7		0,7714	0,9821	0,6253	0,9000	0,6875	r., Louis A. Cox (2008). What's wrong with risk matrices? [Siehe Table IV in Abschnitt: "Discussion of Weak Consistency" auf Seite 502]. Risk Analysis, 28 (2), 497–512
16		0,7849	0,9947	0,6727	0,9387	0,6527	Matrix anhand Erkenntnisse der statistischen Auswertung unabhängig erstellt
17		0,7907	0,9917	0,7276	0,9653	0,6042	Matrix anhand Erkenntnisse der statistischen Auswertung unabhängig erstellt

2. Statistiken

	Benchmark-Score	Ordnungsmaß	Range-Compression	Overlap	Quantifying Errors
Verteilung					
Wertintervalle	[0,6364 | 0,7907]	[0,8670 | 0,9947]	[0,5333 | 0,7276]	[0,8750 | 0,9653]	[0,3750 | 0,6875]

3. Grenzentestung des Benchmark Modells

Untersuchtes Merkmal	Matrix	Benchmark Ergebnis
Range Compression (schlecht)		**Benchmark-Score:** 0.7095106513104049 Ordnungsmaß: 0.9359648243985869 Range-Compression: 0.3480000000000001 Overlap: **0.96** Quantifying Errors: **0.734375**
Range Compression (gut)		**Benchmark-Score:** 0.6074479778098977 Ordnungsmaß: 0.8924072283961024 Range-Compression: **0.789375** Overlap: **0.9860294117647059** Quantifying Errors: 0.0
Ordnungsmaß (gut)		**Benchmark-Score:** **0.7304579589167863** Ordnungsmaß: **0.9976772787520393** Range-Compression: 0.4295918367346938 Overlap: 0.8775510204081632 Quantifying Errors: **0.7430555555555556**
Ordnungsmaß (schlecht)		**Benchmark-Score:** 0.4405580910769231 Ordnungsmaß: 0 Range-Compression: **0.83168** Overlap: 0.960569230769230 8 Quantifying Errors: 0.0
Overlap (gut)		**Benchmark-Score:** 0.6074479778098977 Ordnungsmaß: 0.8924072283961024 Range-Compression: **0.789375** Overlap: **0.9860294117647059** Quantifying Errors: 0.0
Quantifying Errors (gut)		**Benchmark-Score:** 0.39443 Ordnungsmaß: 0 Range-Compression: 0.30000000000000004 Overlap: 0 Quantifying Errors: 1