

Track ID	Percentage
1	10
2	15
3	14
4	9
5	12
6	6

	(Zi-Z)^2	GEARY 1
	1	
	16	
	9	
	4	
	1	
	25	
SUM	56	

Sum	66
Mean	11
N	6

Cij							WijCij						
object	j1	j2	j3	j4	j5	j6	object	1	2	3	4	5	6
i1		0	25	16	1	4	1	0	25	0	0	4	0
i2		25	0	1	36	9	2	25	0	1	36	9	0
i3		16	1	0	25	4	3	0	1	0	25	0	64
i4		1	36	25	0	9	4	0	36	25	0	9	9
i5		4	9	4	9	0	5	4	9	0	9	0	36
i6		16	81	64	9	36	6	0	0	64	9	36	0

SumWijCij 436

Wij						
object	1	2	3	4	5	6
1	0	1	0	0	1	0
2	1	0	1	1	1	0
3	0	1	0	1	0	1
4	0	1	1	0	1	1
5	1	1	0	1	0	1
6	0	0	1	1	1	0

sumWij	20
σ^2	11.2

Gearys C 0.973214

RA Testing

S0	20
S1	20
S2	

Track ID	Percentage
1	100
2	15
3	14
4	9
5	12
6	6

	(Zi-Z)^2	GEARY 2
	5476	
	121	
	144	
	289	
	196	
	400	
SUM	6626	

Sum	156
Mean	26
N	6

Cij	j1	j2	j3	j4	j5	j6
object						
i1	0	7225	7396	8281	7744	8836
i2	7225	0	1	36	9	81
i3	7396	1	0	25	4	64
i4	8281	36	25	0	9	9
i5	7744	9	4	9	0	36
i6	8836	81	64	9	36	0

WijCij	1	2	3	4	5	6
object						
1	0	7225	0	0	7744	0
2	7225	0	1	36	9	0
3	0	1	0	25	0	64
4	0	36	25	0	9	9
5	7744	9	0	9	0	36
6	0	0	64	9	36	0

SumWijCij 30316

Wij	1	2	3	4	5	6
object						
1	0	1	0	0	1	0
2	1	0	1	1	1	0
3	0	1	0	1	0	1
4	0	1	1	0	1	1
5	1	1	0	1	0	1
6	0	0	1	1	1	0

sumWij	20
σ^2	1325.2

Gearys C 0.57191367

Track ID	Percentage
1	9
2	15
3	14
4	100
5	12
6	6

(Zi-Z)^2

GEARY 3

1	289
2	121
3	144
4	5476
5	196
6	400
SUM	6626

Sum	156
Mean	26
N	6

Cij							WijCij							
object	j1	j2	j3	j4	j5	j6	object	1	2	3	4	5	6	
i1		0	36	25	8281	9	9	1	0	36	0	0	9	0
i2		36	0	1	7225	9	81	2	36	0	1	7225	9	0
i3		25	1	0	7396	4	64	3	0	1	0	7396	0	64
i4		8281	7225	7396	0	7744	8836	4	0	7225	7396	0	7744	8836
i5		9	9	4	7744	0	36	5	9	9	0	7744	0	36
i6		9	81	64	8836	36	0	6	0	0	64	8836	36	0

SumWijCij 62712

Wij						
object	1	2	3	4	5	6
1	0	1	0	0	1	0
2	1	0	1	1	1	0
3	0	1	0	1	0	1
4	0	1	1	0	1	1
5	1	1	0	1	0	1
6	0	0	1	1	1	0

sumWij	20
σ^2	1325.2

Track ID	Percentage
1	10
2	15
3	14
4	9
5	12
6	6

(Zi-Z)^2

MORANS 1

1	1
2	16
3	9
4	4
5	1
6	25
SUM	56
s2	9.333333

Sum	66
Mean	11
N	6

Cij	j1	j2	j3	j4	j5	j6
object						
i1	1	-4	-3	2	-1	5
i2	-4	16	12	-8	4	-20
i3	-3	12	9	-6	3	-15
i4	2	-8	-6	4	-2	10
i5	-1	4	3	-2	1	-5
i6	5	-20	-15	10	-5	25

I	1	2	3	4	5	6
object						
1	0	-4	0	0	-1	0
2	-4	0	12	-8	4	0
3	0	12	0	-6	0	-15
4	0	-8	-6	0	-2	10
5	-1	4	0	-2	0	-5
6	0	0	-15	10	-5	0

SumWijCij -30

Wij	1	2	3	4	5	6
object						
1	0	1	0	0	1	0
2	1	0	1	1	1	0
3	0	1	0	1	0	1
4	0	1	1	0	1	1
5	1	1	0	1	0	1
6	0	0	1	1	1	0

sumWij	20
σ^2	11.2
WijCij	-30

Morans I	-0.16071
Interpretation	-0.2
RA Testing	

S0	20
S1	20
S2	



Track ID	Percentage
1	9
2	15
3	14
4	100
5	12
6	6

(Zi-Z)^2

MORANS 3

1	289
2	121
3	144
4	5476
5	196
6	400
SUM	6626
s2	1104.333

Sum	156
Mean	26
N	6

Cij							
object	j1	j2	j3	j4	j5	j6	
i1	289	187	204	-1258	238	340	
i2	187	121	132	-814	154	220	
i3	204	132	144	-888	168	240	
i4	-1258	-814	-888	5476	-1036	-1480	
i5	238	154	168	-1036	196	280	
i6	340	220	240	-1480	280	400	

I							
object	1	2	3	4	5	6	
1	0	187	0	0	238	0	
2	187	0	132	-814	154	0	
3	0	132	0	-888	0	240	
4	0	-814	-888	0	-1036	-1480	
5	238	154	0	-1036	0	280	
6	0	0	240	-1480	280	0	

SumWijCij -5974

Wij							
object	1	2	3	4	5	6	
1	0	1	0	0	1	0	
2	1	0	1	1	1	0	
3	0	1	0	1	0	1	
4	0	1	1	0	1	1	
5	1	1	0	1	0	1	
6	0	0	1	1	1	0	

sumWij	20
σ^2	1325.2
WijCij	-5974

Morans I	-0.27048
Interpretat	-0.2
RA Testing	

S0	20
S1	20
S2	