Intercoder Agreement for Project:
case study survey edge - ITERATION2 ICA (jdf + jepm + cgp)

Agreement Coefficient: Krippendorff's Cu-Alpha / cu-Alpha

Coders

🔴 Carolina Gallardo Pérez   🔵 Jessica Diaz   🟤 Jorge Enrique Pérez Martínez

Respuesta_01_21 03 25 Software Architect

Respuesta_02_21 03 31 Director

Respuesta_04_21 04 05 Platform Engineer cloud devops
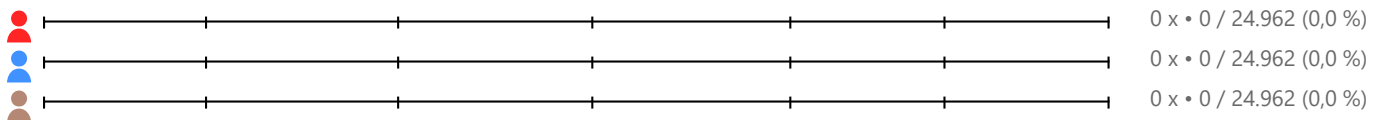
Respuesta_05_21 04 23 CTO

Respuesta_07_21 04 23 Director
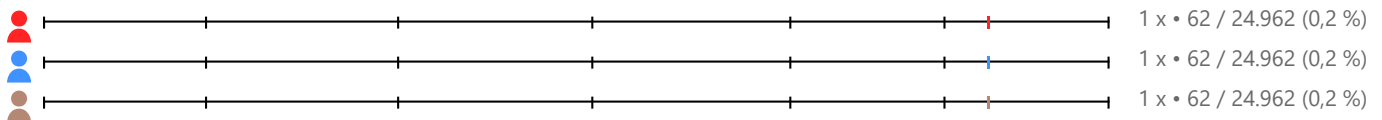
Respuesta_09_21 04 26 Cloud Architect

All Documents

Semantic Domain: B01 better user experience, B02 less response time, B03 greater efficiency, B04 save energy, B05 better performance...
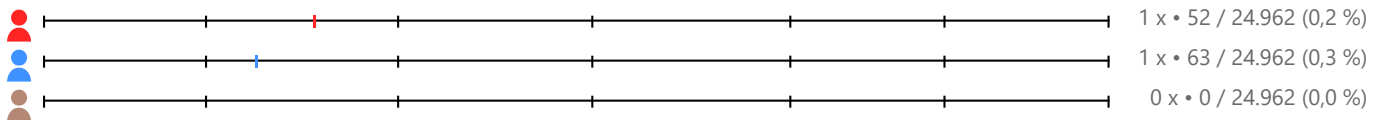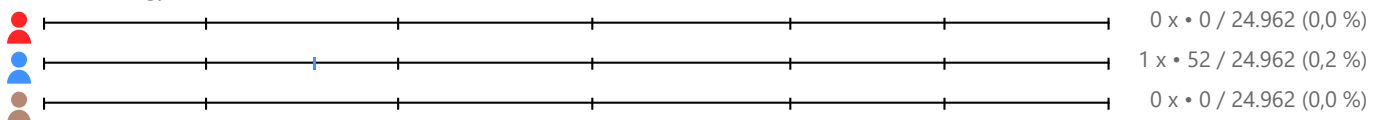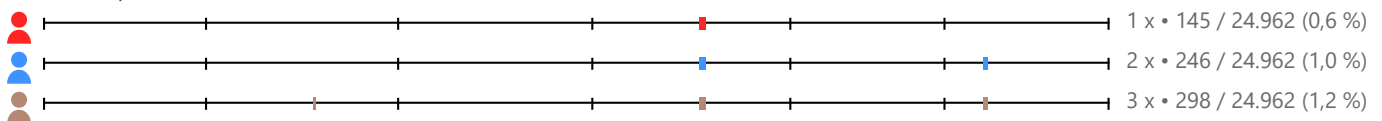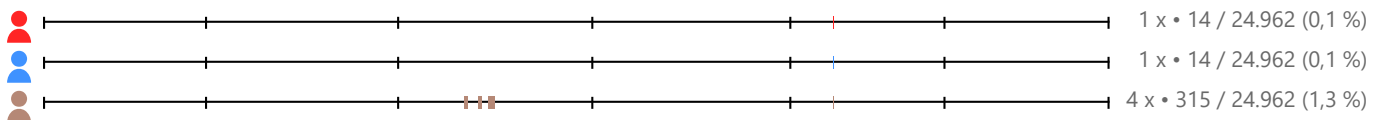
B01 better user experience

🔴	0 x • 0 / 24.962 (0,0 %)
🔵	0 x • 0 / 24.962 (0,0 %)
🟤	0 x • 0 / 24.962 (0,0 %)

B02 less response time

🔴	1 x • 62 / 24.962 (0,2 %)
🔵	1 x • 62 / 24.962 (0,2 %)
🟤	1 x • 62 / 24.962 (0,2 %)

B03 greater efficiency

🔴	1 x • 52 / 24.962 (0,2 %)
🔵	1 x • 63 / 24.962 (0,3 %)
🟤	0 x • 0 / 24.962 (0,0 %)

B04 save energy

🔴	0 x • 0 / 24.962 (0,0 %)
🔵	1 x • 52 / 24.962 (0,2 %)
🟤	0 x • 0 / 24.962 (0,0 %)

B05 better performance

🔴	1 x • 145 / 24.962 (0,6 %)
🔵	2 x • 246 / 24.962 (1,0 %)
🟤	3 x • 298 / 24.962 (1,2 %)

B06 business needs

🔴	1 x • 14 / 24.962 (0,1 %)
🔵	1 x • 14 / 24.962 (0,1 %)
🟤	4 x • 315 / 24.962 (1,3 %)

Krippendorff $_{cu}\alpha$: 0,722

Semantic Domain: C01 (physical/virtual) device characterization: intelligence, status, load, C02 device capability (limited/restricted computation...

C01 (physical/virtual) device characterization: intelligence, status, load

🔴	1 x • 15 / 24.962 (0,1 %)
🔵	0 x • 0 / 24.962 (0,0 %)
🟤	1 x • 154 / 24.962 (0,6 %)
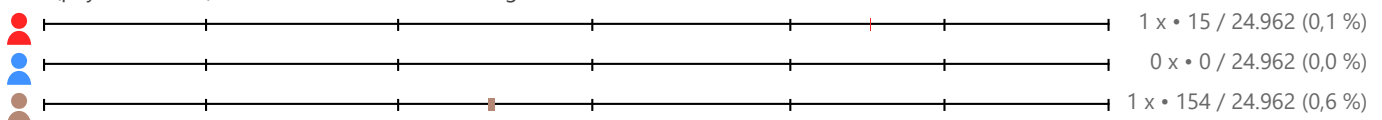
All Documents

Semantic Domain: C01 (physical/virtual) device characterization: intelligence, status, load, C02 device capability (limited/restricted computation...
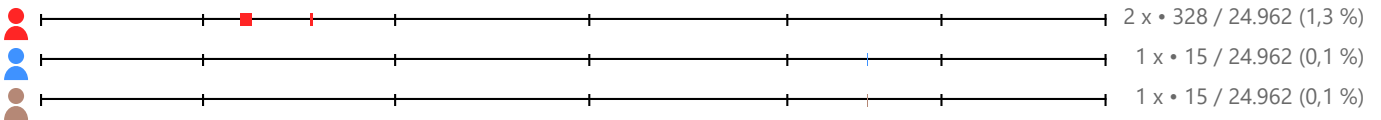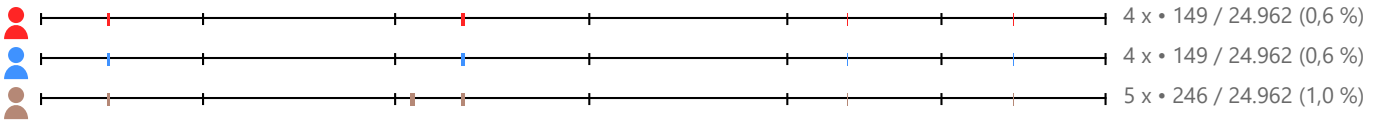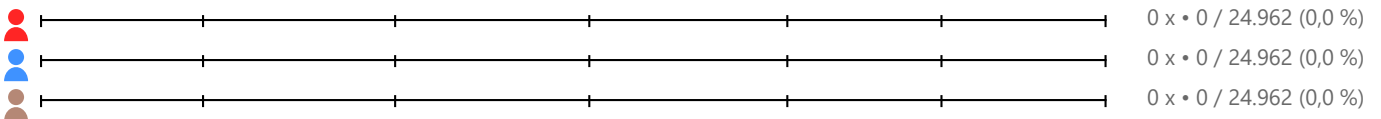
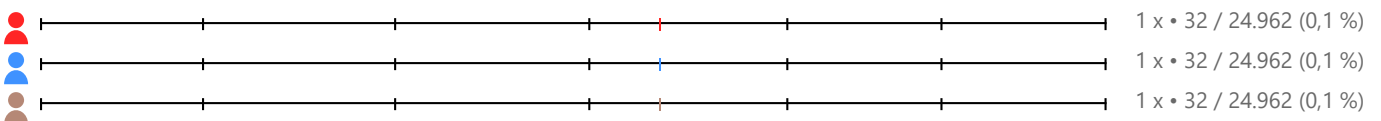C02 device capability (limited/restricted computational capabilities)

🔴	2 x • 328 / 24.962 (1,3 %)
🔵	1 x • 15 / 24.962 (0,1 %)
🟤	1 x • 15 / 24.962 (0,1 %)

C03 sensors, actuators, constrained devices, gateways, micro-controllers, miniPCs

🔴	4 x • 149 / 24.962 (0,6 %)
🔵	4 x • 149 / 24.962 (0,6 %)
🟤	5 x • 246 / 24.962 (1,0 %)

C04 medical devices

🔴	0 x • 0 / 24.962 (0,0 %)
🔵	0 x • 0 / 24.962 (0,0 %)
🟤	0 x • 0 / 24.962 (0,0 %)

C05 servers, mini-datacenters

🔴	1 x • 32 / 24.962 (0,1 %)
🔵	1 x • 32 / 24.962 (0,1 %)
🟤	1 x • 32 / 24.962 (0,1 %)

C06 IoT SIM cards

🔴	1 x • 30 / 24.962 (0,1 %)
🔵	1 x • 30 / 24.962 (0,1 %)
🟤	1 x • 30 / 24.962 (0,1 %)
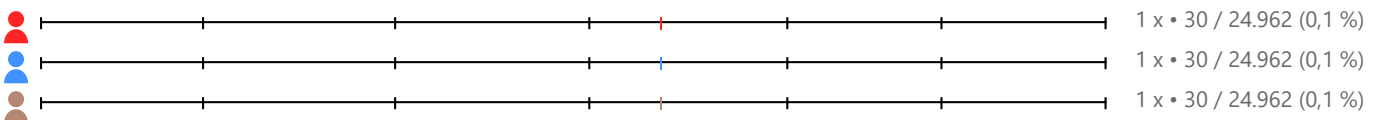
C07 distributed architecture

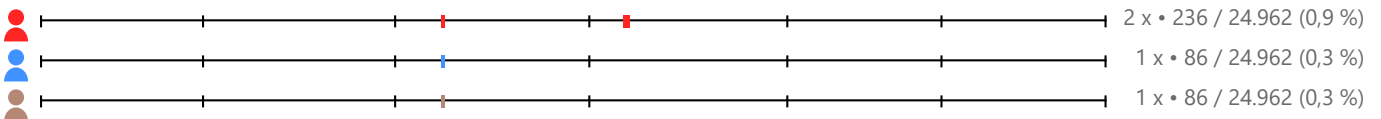|	
🔴	3 x • 277 / 24.962 (1,1 %)
🔵	3 x • 277 / 24.962 (1,1 %)
🟤	3 x • 277 / 24.962 (1,1 %)
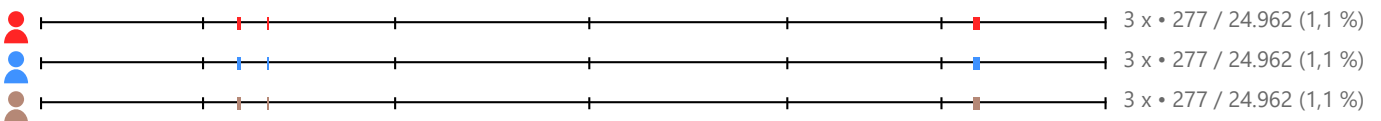
Krippendorff $_{cu}\alpha$: 0,969

Semantic Domain: F01 local processing (computation) in device, F03 devices take over part of the data center/cloud workload...

F01 local processing (computation) in device

🔴	6 x • 726 / 24.962 (2,9 %)
🔵	8 x • 928 / 24.962 (3,7 %)
🟤	5 x • 738 / 24.962 (3,0 %)

F03 devices take over part of the data center/cloud workload

🔴	2 x • 236 / 24.962 (0,9 %)
🔵	1 x • 86 / 24.962 (0,3 %)
🟤	1 x • 86 / 24.962 (0,3 %)
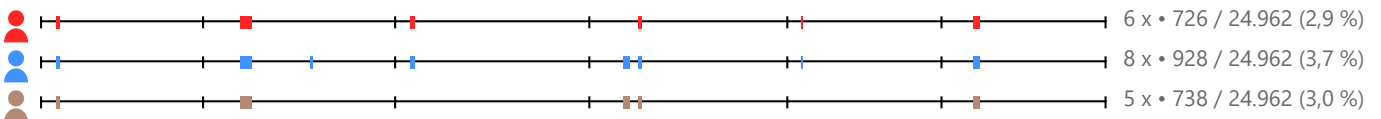
F04 data collection and processing

🔴	3 x • 55 / 24.962 (0,2 %)
🔵	3 x • 55 / 24.962 (0,2 %)
🟤	3 x • 55 / 24.962 (0,2 %)

F05 data aggregation and filtering and data analytics

🔴	5 x • 283 / 24.962 (1,1 %)
🔵	4 x • 182 / 24.962 (0,7 %)
🟤	4 x • 182 / 24.962 (0,7 %)

F06 video processing, virtual (augmented) reality, artificial intelligence, and control logic

🔴	5 x • 193 / 24.962 (0,8 %)
🔵	5 x • 193 / 24.962 (0,8 %)
🟤	6 x • 209 / 24.962 (0,8 %)
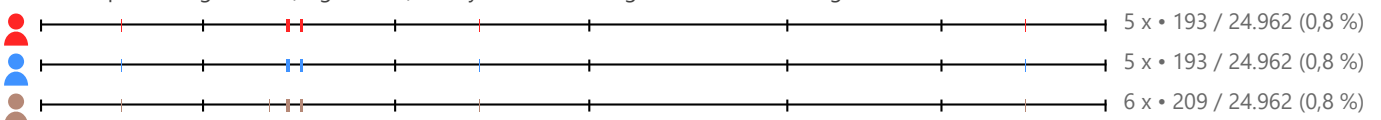
All Documents

Semantic Domain: F01 local processing (computation) in device, F03 devices take over part of the data center/cloud workload...
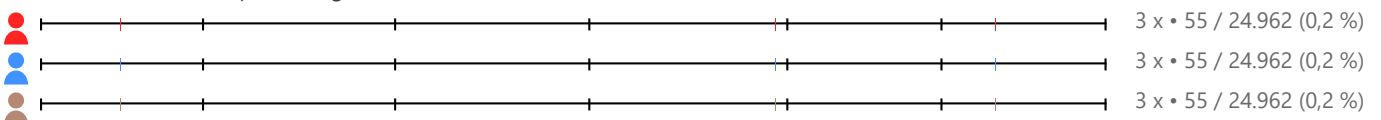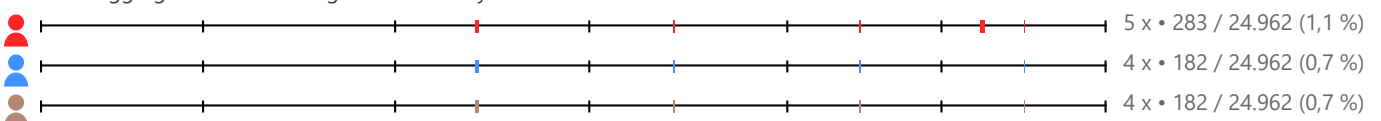
F07 communication with other devices
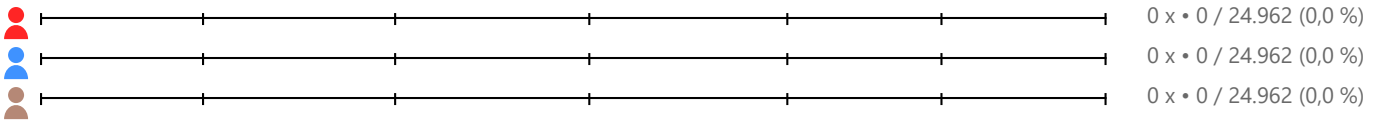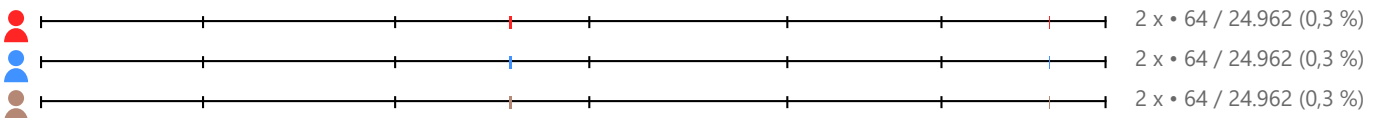
0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)

F08 decision making

0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)
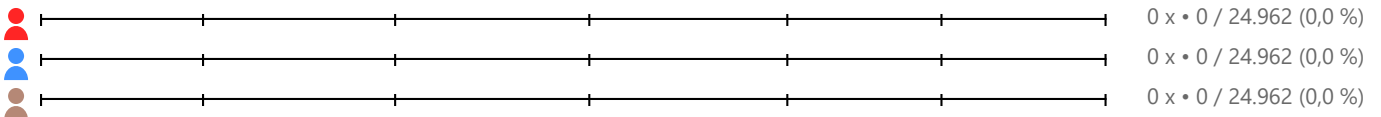
Krippendorff $_{cu}\alpha$: 0,881
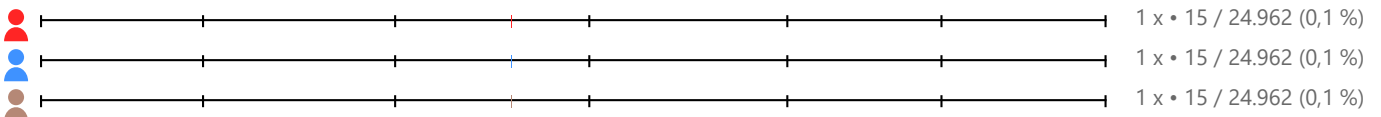
Semantic Domain: G01 cloud-managed (remote) over the air updates, G02 continuous integration (CI) and continuous delivery/deployment (C
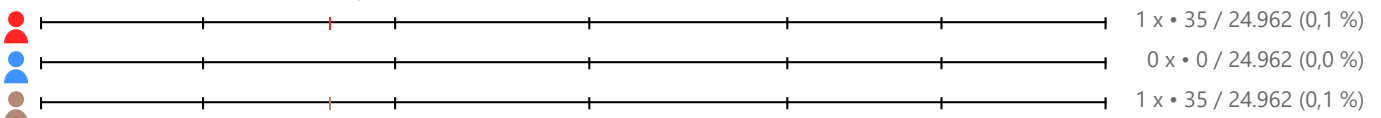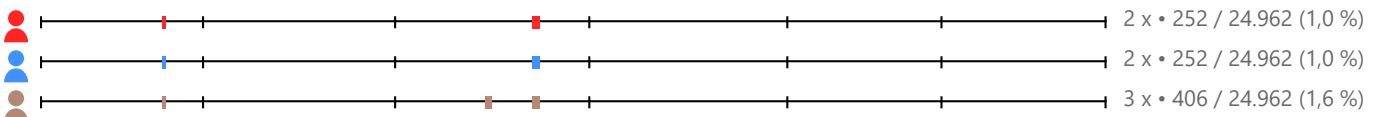
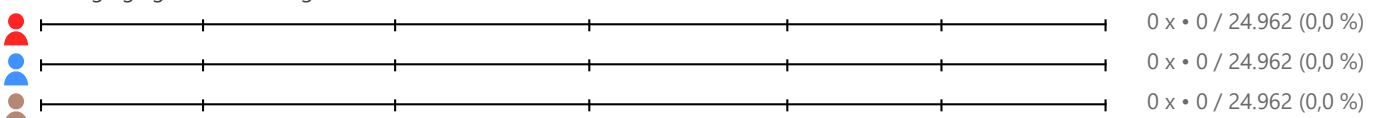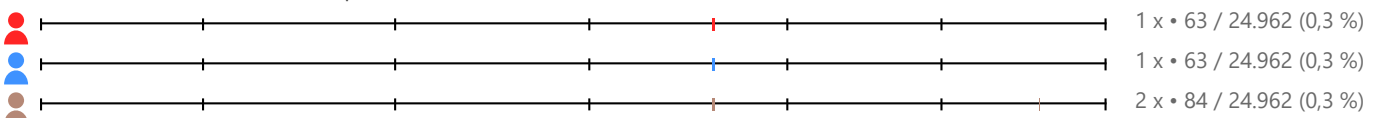G01 cloud-managed (remote) over the air updates

2 x • 64 / 24.962 (0,3 %)
2 x • 64 / 24.962 (0,3 %)
2 x • 64 / 24.962 (0,3 %)

G02 continuous integration (CI) and continuous delivery/deployment (CD)

1 x • 15 / 24.962 (0,1 %)
1 x • 15 / 24.962 (0,1 %)
1 x • 15 / 24.962 (0,1 %)

G03 remote and local over-the-air updates

1 x • 35 / 24.962 (0,1 %)
0 x • 0 / 24.962 (0,0 %)
1 x • 35 / 24.962 (0,1 %)

G04 automated provisioning, monitoring, deployment, build, testing, maintaning

2 x • 252 / 24.962 (1,0 %)
2 x • 252 / 24.962 (1,0 %)
3 x • 406 / 24.962 (1,6 %)

G05 bringing agile methodologies with customers

0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)

G06 servers (remote) over the air updates

1 x • 63 / 24.962 (0,3 %)
1 x • 63 / 24.962 (0,3 %)
2 x • 84 / 24.962 (0,3 %)

G07 https requests (remote) over the air updates

0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)
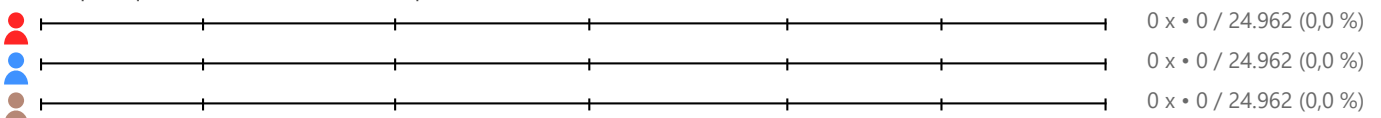
G08 billing data in real time

1 x • 156 / 24.962 (0,6 %)
1 x • 156 / 24.962 (0,6 %)
1 x • 156 / 24.962 (0,6 %)
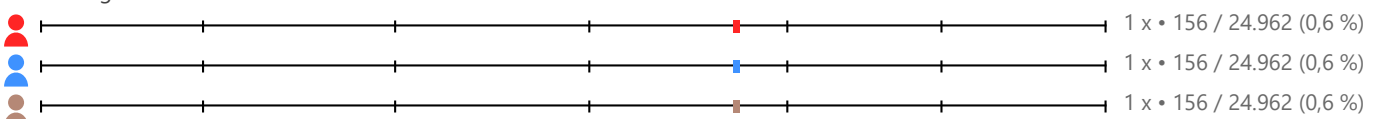
G09 locally-managed over the air updates

1 x • 36 / 24.962 (0,1 %)
1 x • 36 / 24.962 (0,1 %)
2 x • 77 / 24.962 (0,3 %)
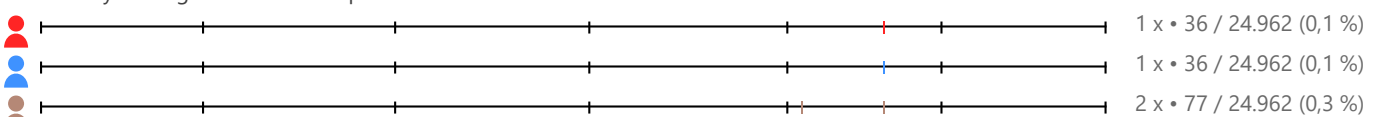
Krippendorff $_{cu}\alpha$: 1,0

All Documents

Semantic Domain: N01 (less) bandwith, N02 (less/low) latency, N03 speed up communications, N04 data exchange between multiple nodes...

N01 (less) bandwith

2 x • 76 / 24.962 (0,3 %)
2 x • 76 / 24.962 (0,3 %)
2 x • 76 / 24.962 (0,3 %)

N02 (less/low) latency

5 x • 503 / 24.962 (2,0 %)
5 x • 503 / 24.962 (2,0 %)
5 x • 503 / 24.962 (2,0 %)

N03 speed up communications
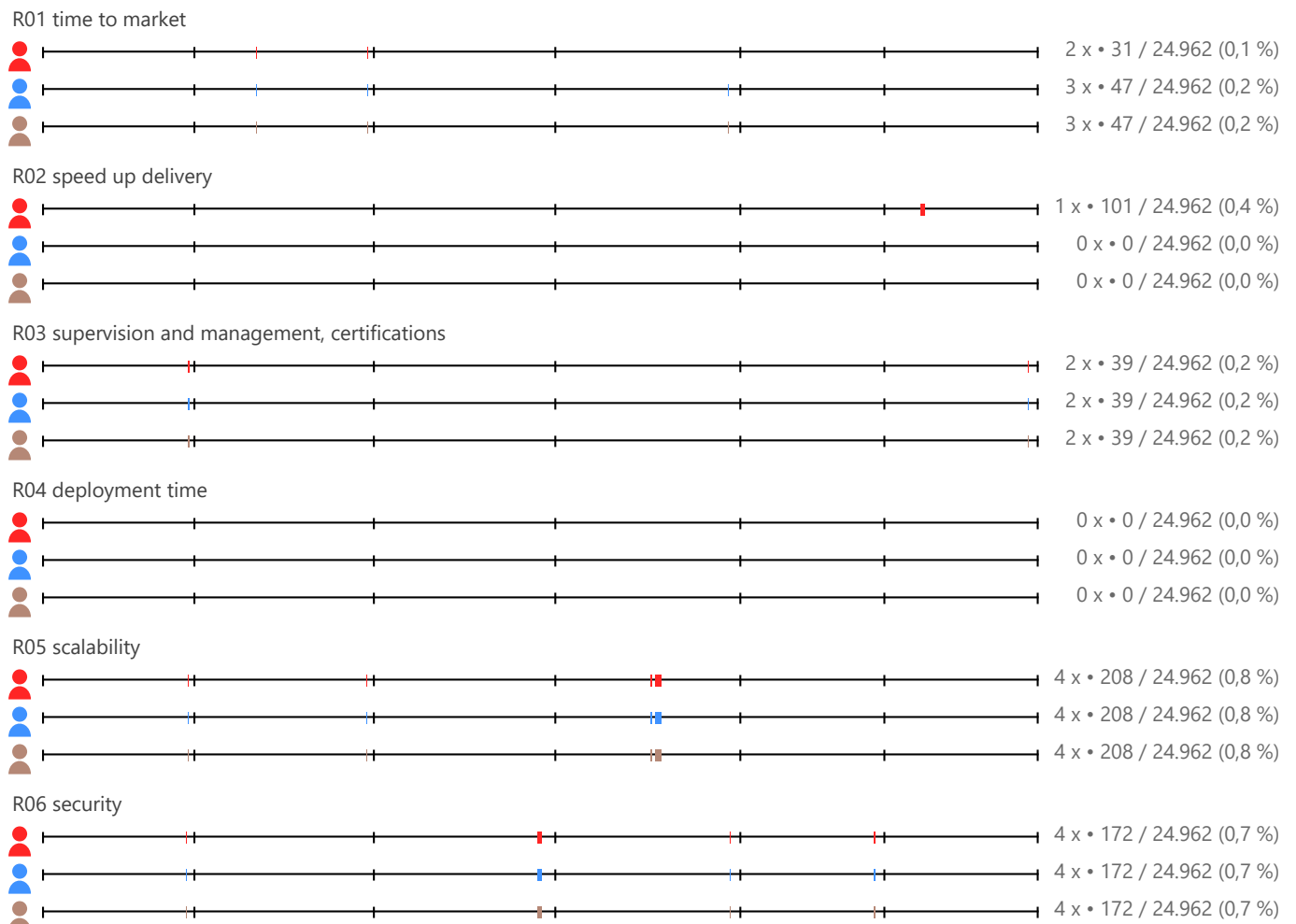
0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)

N04 data exchange between multiple nodes

0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)

N05 disconnected mode

1 x • 37 / 24.962 (0,1 %)
1 x • 37 / 24.962 (0,1 %)
1 x • 37 / 24.962 (0,1 %)

Krippendorff $_{cu}\alpha$: 1,0
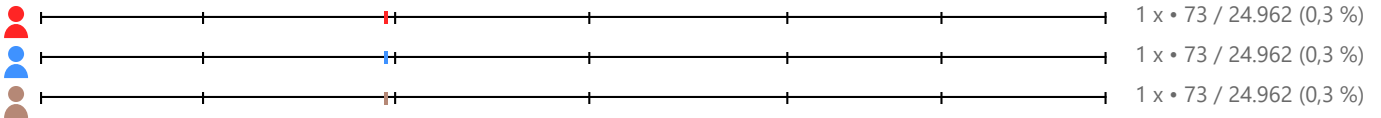
Semantic Domain: R01 time to market, R02 speed up delivery, R03 supervision and management, certifications, R04 deployment time...

R01 time to market

2 x • 31 / 24.962 (0,1 %)
3 x • 47 / 24.962 (0,2 %)
3 x • 47 / 24.962 (0,2 %)

R02 speed up delivery

1 x • 101 / 24.962 (0,4 %)
0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)

R03 supervision and management, certifications

2 x • 39 / 24.962 (0,2 %)
2 x • 39 / 24.962 (0,2 %)
2 x • 39 / 24.962 (0,2 %)

R04 deployment time

0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)

R05 scalability

4 x • 208 / 24.962 (0,8 %)
4 x • 208 / 24.962 (0,8 %)
4 x • 208 / 24.962 (0,8 %)

R06 security

4 x • 172 / 24.962 (0,7 %)
4 x • 172 / 24.962 (0,7 %)
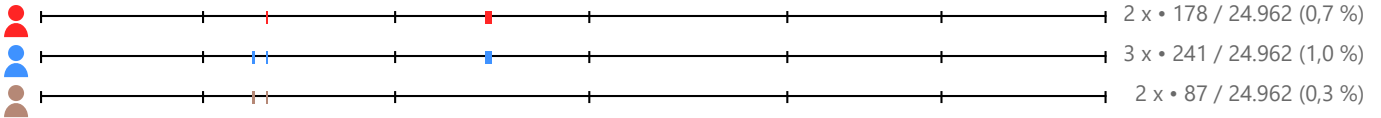4 x • 172 / 24.962 (0,7 %)

All Documents

Semantic Domain: R01 time to market, R02 speed up delivery, R03 supervision and management, certifications, R04 deployment time…
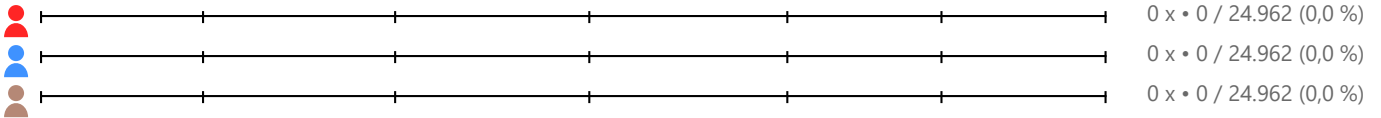
R07 vendor lock-in

1 x • 73 / 24.962 (0,3 %)
1 x • 73 / 24.962 (0,3 %)
1 x • 73 / 24.962 (0,3 %)

R08 (maintenance) cost

2 x • 178 / 24.962 (0,7 %)
3 x • 241 / 24.962 (1,0 %)
2 x • 87 / 24.962 (0,3 %)

R10 reliability

0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)

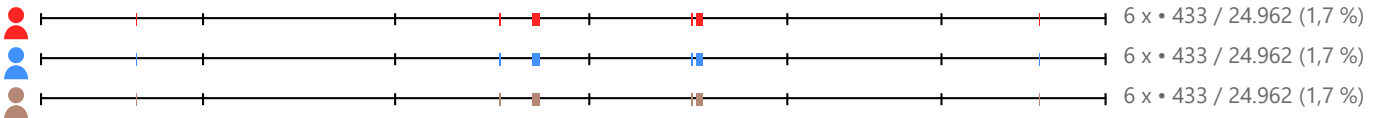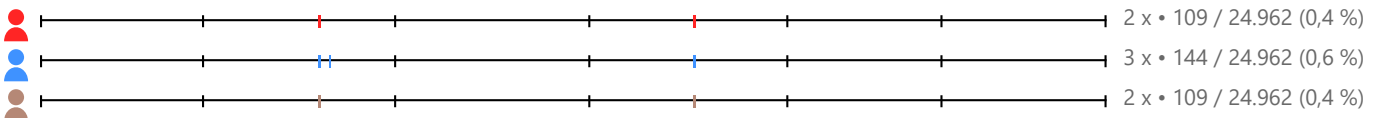**Krippendorff $_{cu}\alpha$: 1,0**

Semantic Domain: T01 containers, T02 virtual environments (machines, networks, servers), T03 downlinks of wireless communication networks.
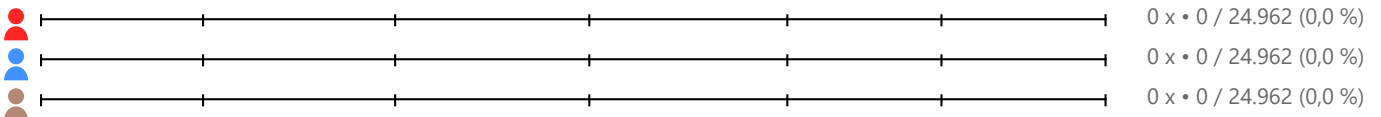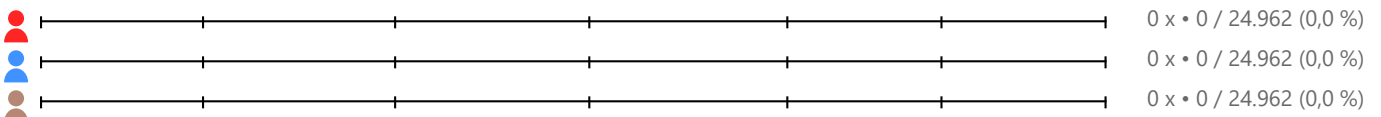
T01 containers

6 x • 433 / 24.962 (1,7 %)
6 x • 433 / 24.962 (1,7 %)
6 x • 433 / 24.962 (1,7 %)

T02 virtual environments (machines, networks, servers)

2 x • 109 / 24.962 (0,4 %)
3 x • 144 / 24.962 (0,6 %)
2 x • 109 / 24.962 (0,4 %)

T03 downlinks of wireless communication networks

0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)

T04 orchestration layer

0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)
0 x • 0 / 24.962 (0,0 %)

Krippendorff $_{cu}\alpha$: 1,0

Krippendorff $_{cu}\alpha$: 0,8