

ThinkTank® - Session 2

Analysis and Conclusions for Further Inquiry
United Global Group - JM

Review of the Ethics Mill:

Four Criteria

Autonomy: *Who does it empower?*
Beneficence: *For whom is it good?*
Non-Maleficence: *Does it harm?*
Justice/equity: *Is it fair?*

Three Levels

End-users: *Stakeholders, maintainers, operators*
USMC Organisation: *Distinct communities*
USMC Enterprise: *As a whole*

Two Scopes

Short-term: *immediate, within two years*
Long-term: *between 2-10 years*

Total (n) Value of Conclusions

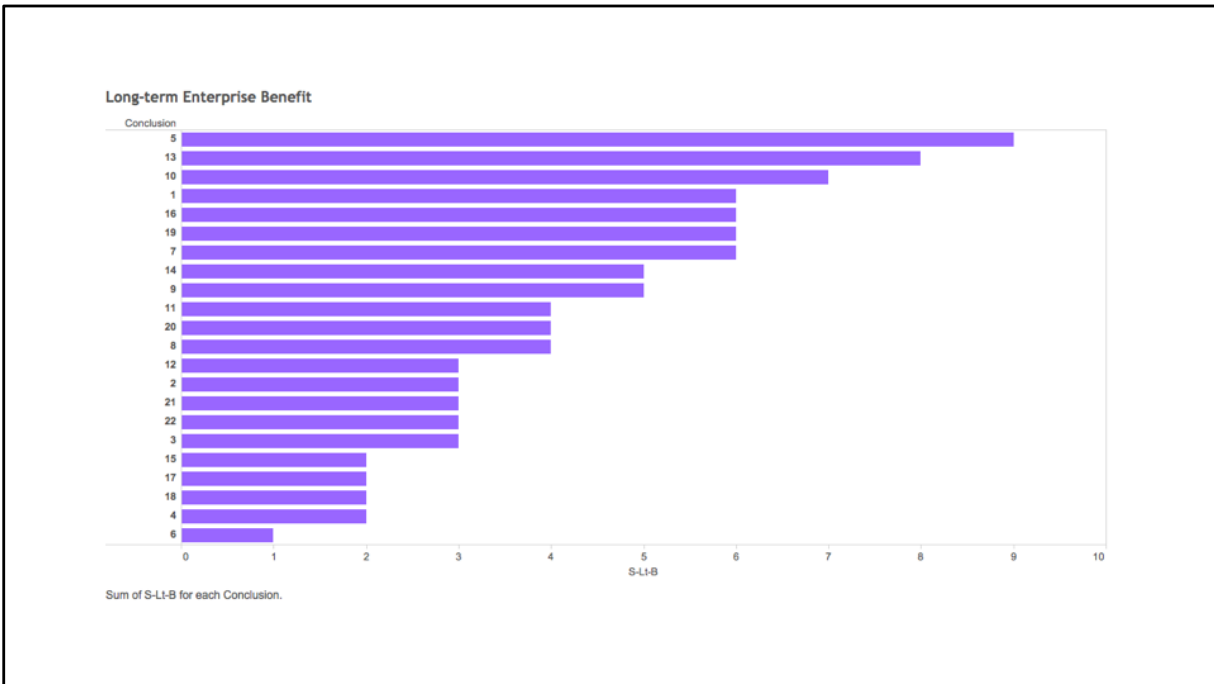
TOTAL	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	39	83	49	80	35	49	42	77
Organisation	31	65	37	56	20	27	25	56
Enterprise	27	95	36	94	19	49	28	79
Total	97	243	122	230	74	125	95	212

Using this framework, we see that the group identified a significant number of long-term benefits, first to the MC enterprise, second to the end-users, and third to the internal organisations. The group recongnised that, overall, these conclusions support the long-term autonomy of the enterprise as a “force-in-readiness”. Further, these conclusions support long-term Marine equity throughout the enterprise.

Total (n) Potential Harms of Conclusions

TOTAL	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	1	0	0	0	5	2	2	0
Organisation	1	0	9	0	19	9	2	0
Enterprise	0	1	0	1	1	2	1	0
Total	2	1	9	1	25	13	5	0

While the group voiced many concerns related to funding allotment and process change management, only a few of these concerns indicated potential harms across the enterprise. This table depicts a visualisation of the total potential harms identified by the group. Whereas the benefits seem to coalesce at the long-term, enterprise and end-user levels, these harms tend at the short-term, organization level.



Digging a little further into the total benefits (slide 1), this table weighs the conclusions from highest to lowest **long-term** benefit to the enterprise.

Conclusions 5, 13, 10, 1, 16, 19, 7, and 14 rank highest – these are overviewed in the next several slides.

Conclusions 6, 4, 18, 17, and 15 rank lowest.

Conclusion 5 – Benefits/Harms

CS	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	3	5	3	5	1	2	3	4
Organisation	2	2	2	2	1	1	2	2
Enterprise	2	8	2	9	1	4	2	6
Total	7	15	7	16	3	7	7	12

CS	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	0	0	1	0	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	0	0	0

Conclusion 5:

The group ranks this conclusion as having most long-term benefit to the enterprise, first; the end-user, second; and modest short- and long-term benefit at the organization levels. The harm identified is the potential harm of the cost of data to the organization:

Conclusion 13 – Benefits/Harms

C13	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	1	4	1	3	0	1	1	6
Organisation	2	5	2	4	0	1	1	6
Enterprise	1	5	1	8	0	1	1	6
Total	4	14	4	15	0	3	3	18

C13	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	0	0	0	0	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0

Conclusion 13:

The group ranks this conclusion as having the second most long-term benefit to the enterprise, first; to the organisation, second; and to the end-user, third. There are no harms associated with this conclusion.

Conclusion 10 – Benefits/Harms

C10	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	2	5	2	5	1	2	3	5
Organisation	1	4	1	4	1	0	1	2
Enterprise	0	5	1	7	0	2	0	4
Total	3	14	4	16	2	4	4	11

C10	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	1	0	0	0	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	1	0	0	0	0	0

Conclusion 10: [REDACTED]

The group ranks this conclusion as having the third most long-term benefit to the enterprise, first; to the end-user, second; and to the organisations, third. Of greatest concern to the group was the potential harm to the organisation that the burden of this excess data would create:

[REDACTED]

Conclusion 1 – Benefits/Harms

C16	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	1	5	3	5	3	4	4	4
Organisation	2	4	2	3	1	1	4	4
Enterprise	1	4	3	6	1	2	3	3
Total	4	13	8	14	5	7	11	11

C1	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	2	0	0	0
Organisation	0	0	0	0	2	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	4	1	0	0

Conclusion 1:

The group ranks this conclusion as having significant long-term benefit to the enterprise, first; to the end-user, second; and to the organisations, third. The potential harms are listed below:

Conclusion 7 – Benefits/Harms

C7	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	3	5	4	6	4	5	4	5
Organisation	0	4	0	4	0	3	0	4
Enterprise	0	6	0	6	0	4	0	5
Total	3	15	4	16	4	12	4	14

C7	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	1	1	0	0
Organisation	0	0	0	0	0	0	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	1	0	0

Conclusion 7:

The group ranks this conclusion as having significant long-term benefit to the enterprise, first; to the end-user, second; and to the organisations, third. The potential harms originate from the end-user level, producing both short- and long-term implications:

Conclusion 16 – Benefits/Harms

C16	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	1	5	3	5	3	4	4	4
Organisation	2	4	2	3	1	1	4	4
Enterprise	1	4	3	6	1	2	3	3
Total	4	13	8	14	5	7	11	11

C16	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	0	0	1	0	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	0	0	0

Conclusion 16:

The group ranks this conclusion as having significant long-term benefit to the enterprise, first; to the end-user, second; and to the organisations, third. The potential harm is the effect of this conclusion on manpower at the organisation level:

[REDACTED]

Conclusion 19 – Benefits/Harms

C19	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	2	5	1	5	1	1	2	6
Organisation	1	3	0	3	0	0	1	5
Enterprise	1	6	0	6	0	2	1	6
Total	4	14	1	14	1	3	4	17

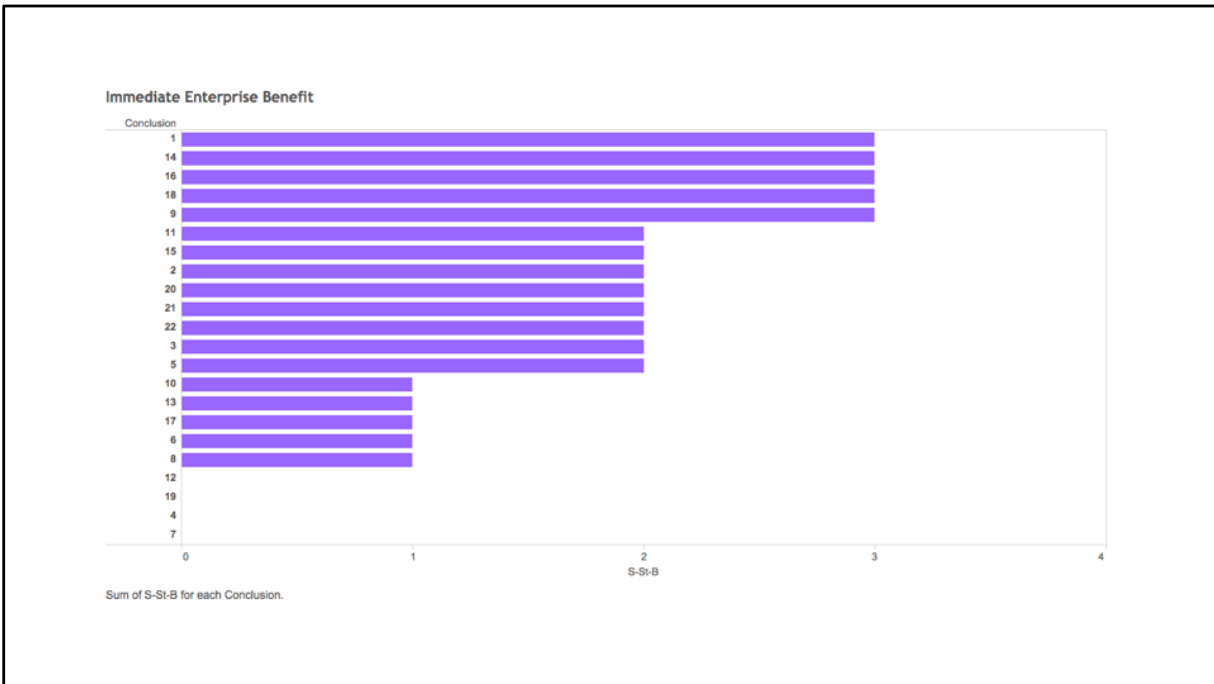
C19	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	1	0	0	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	1	0	0	1	0	0

Conclusion 19:

The group ranks this conclusion as having significant long-term benefit to the enterprise, first; to the end-user, second; and to the organisations, third. The group identified two potential harms to the organization, one short-term and one long-term:

[REDACTED]

[REDACTED]



Again, digging a little further into the total benefits (slide 1), this table weighs the conclusions from highest to lowest **short-term** benefit to the enterprise.

Conclusions 1, 14, 16, and 18 rank highest – these are overviewed in the next several slides.

Conclusions 7, 4, 19, and 12 rank lowest, with no identified short-term benefits to the enterprise.

Conclusion 1* – Benefits/Harms

C16	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	1	5	3	5	3	4	4	4
Organisation	2	4	2	3	1	1	4	4
Enterprise	1	4	3	6	1	2	3	3
Total	4	13	8	14	5	7	11	11

C1	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	2	0	0	0
Organisation	0	0	0	0	2	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	4	1	0	0

*See notes, slide 8

Conclusion 9 – Benefits/Harms

C9	ST Autonomy	LT Autonomy	ST Beneficence	LT Beneficence	ST Non-Malefeas	LT Non-Malefeas	ST Justice/Equit	LT Justice/Equit
End-User	0	6	1	5	1	4	0	4
Organisation	0	4	3	3	1	2	0	2
Enterprise	0	6	3	5	1	6	0	4
Total	0	16	7	13	3	12	0	10

C9	ST Autonomy	LT Autonomy	ST Beneficence	LT Beneficence	ST Non-Malefeas	LT Non-Malefeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	0	0	3	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	3	1	0	0

Conclusion 9:

The group ranks this conclusion as having significant short-term benefit to the enterprise, evenly both to the enterprise and to the end-user. Seemingly, by benefiting the end-user, this conclusion also immediately serves the MC enterprise. The group identified the following short- and long-term harms to the organization:

[Redacted]

[Redacted]

[Redacted]

Conclusion 14 – Benefits/Harms

C14	ST Autonomy	LT Autonomy	ST Beneficence	LT Beneficence	ST Non-Malefeas	LT Non-Malefeas	ST Justice/Equit	LT Justice/Equit
End-User	1	7	3	5	0	3	1	5
Organisation	1	7	3	6	0	4	1	5
Enterprise	1	7	3	5	0	3	1	5
Total	3	21	9	16	0	10	3	15

C14	ST Autonomy	LT Autonomy	ST Beneficence	LT Beneficence	ST Non-Malefeas	LT Non-Malefeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	1	0
Organisation	0	0	3	0	1	0	1	0
Enterprise	0	1	0	1	0	1	1	0
Total	0	1	3	1	1	1	3	0

Conclusion 14:

The group ranks this conclusion as having significant short-term benefits across the enterprise levels. However, group discussion of this conclusion identifies several potential harms. Primary among them is the question of the short-term good to the organization:

[REDACTED]

[REDACTED]

[REDACTED]

Conclusion 16* – Benefits/Harms

C16	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	1	5	3	5	3	4	4	4
Organisation	2	4	2	3	1	1	4	4
Enterprise	1	4	3	6	1	2	3	3
Total	4	13	8	14	5	7	11	11

C16	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	0	0	1	0	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	0	0	0

*See notes, Slide 10

Conclusion 18 – Benefits/Harms

C18	ST Autonomy	LT Autonomy	ST Beneficence	LT Beneficence	ST Non-Malefeas	LT Non-Malefeas	ST Justice/Equit	LT Justice/Equit
End-User	2	0	4	1	4	1	1	2
Organisation	2	1	3	1	3	1	0	2
Enterprise	1	2	3	2	3	2	0	3
Total	5	3	10	4	10	4	1	7

C18	ST Autonomy	LT Autonomy	ST Beneficence	LT Beneficence	ST Non-Malefeas	LT Non-Malefeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	1	1	0	0
Organisation	0	0	0	0	0	2	0	0
Enterprise	0	0	0	0	1	1	0	0
Total	0	0	0	0	2	4	0	0

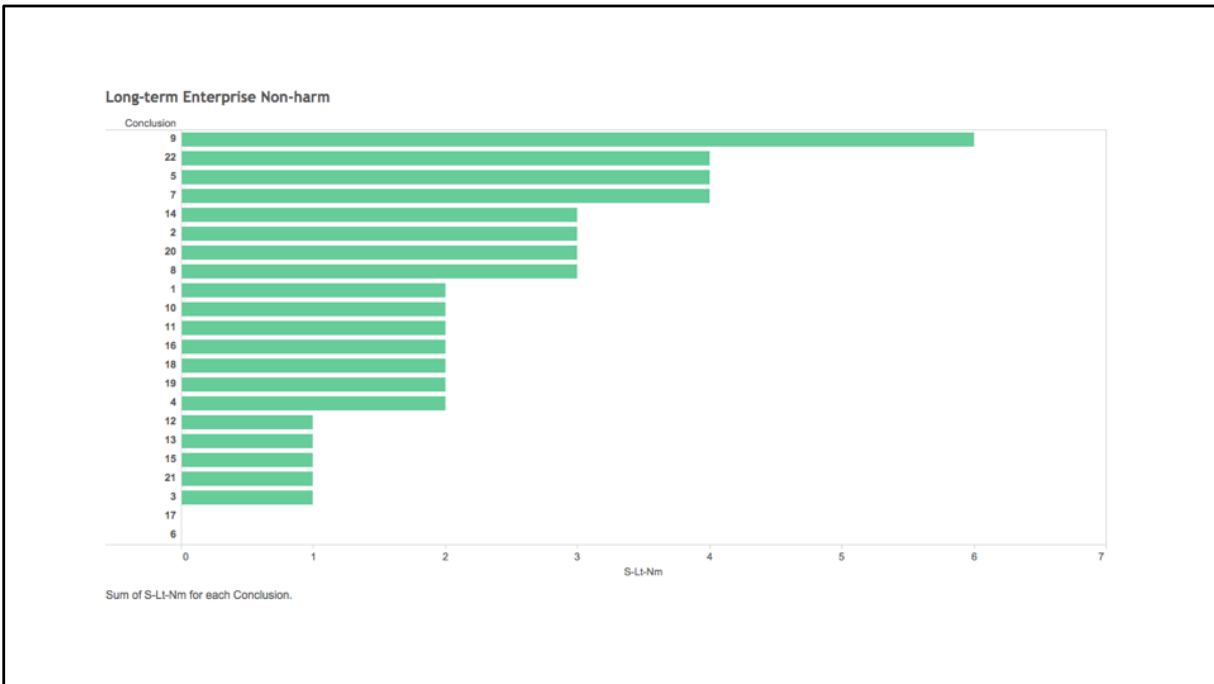
Conclusion 18:

The group ranks this conclusion as having significant short-term benefits across the enterprise levels, especially at the end-user level. However, group discussion of this conclusion identifies several potential short- and long-term harms to the organization, even while significantly reducing short-term harms to the end-user:

[REDACTED]

[REDACTED]

[REDACTED]



This table distributes the conclusions from highest to lowest **long-term** non-malefeasance (non-harm) to the enterprise.

Conclusions 9, 22, 5, 7, and 14 rank highest – these are overviewed in the next several slides.

Conclusions 6, 17, 3, 21, 15, 13 and 12 rank lowest, although this does not necessarily indicate that they *cause* harm, or fail to mitigate harm. Rather, this indicates that non-harm was not as deeply discussed for these conclusions.

Conclusion 9* – Benefits/Harms

C9	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	6	1	5	1	4	0	4
Organisation	0	4	3	3	1	2	0	2
Enterprise	0	6	3	5	1	6	0	4
Total	0	16	7	13	3	12	0	10

C9	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	0	0	3	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	3	1	0	0

*See notes, slide 14

Conclusion 22 – Benefits/Harms

C22	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malefeas	LT Non-Malefeas	ST Justice/Equit	LT Justice/Equit
End-User	0	5	1	1	1	2	0	0
Organisation	1	2	2	1	2	2	1	2
Enterprise	1	5	2	3	2	4	1	3
Total	2	12	5	5	5	8	2	5

C22	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malefeas	LT Non-Malefeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	0	0	1	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	1	0	0

Conclusion 22:

Although conclusions 20-22 received the lowest amount of group feedback – everyone was tired—conclusion 22 seems to mitigate long-term harms to the enterprise by supporting end-user autonomy. However, more data is needed to support this hypothesis. The potential harm addressed is one to the organisation:

[REDACTED]

Conclusion 5* – Benefits/Harms

CS	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	3	5	3	5	1	2	3	4
Organisation	2	2	2	2	1	1	2	2
Enterprise	2	8	2	9	1	4	2	6
Total	7	15	7	16	3	7	7	12

CS	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	0	0	1	0	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	0	0	0

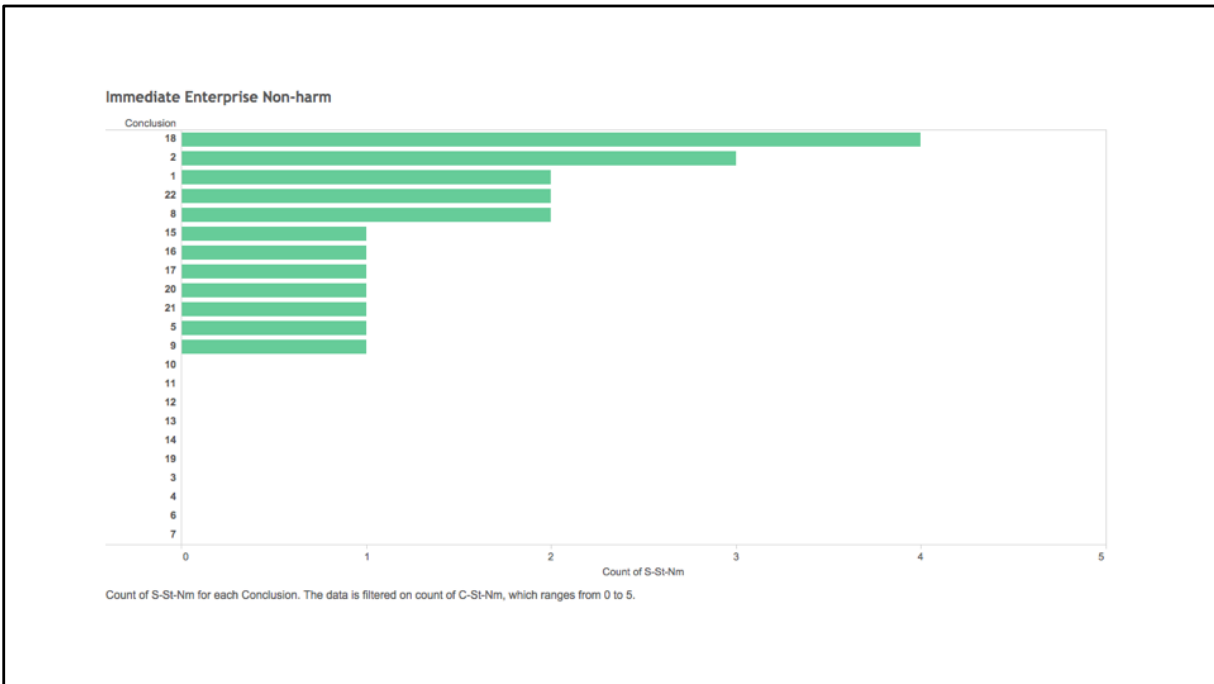
*See notes, Slide 5

Conclusion 7* – Benefits/Harms

C7	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	3	5	4	6	4	5	4	5
Organisation	0	4	0	4	0	3	0	4
Enterprise	0	6	0	6	0	4	0	5
Total	3	15	4	16	4	12	4	14

C7	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	1	1	0	0
Organisation	0	0	0	0	0	0	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	1	0	0

*See notes, slide 9



This table distributes the conclusions from highest to lowest **short-term** non-malefeasance (non-harm) to the enterprise.

Conclusions 18, 2, 1, 22, and 8 rank highest – these are overviewed in the next several slides.

Conclusions 7, 6, 4, 3, 19, 14, 13, 12, 11, and 10 rank lowest. Again, this low ranking does not necessarily indicate that they *cause* harm, or fail to mitigate harm. Rather, these findings simply indicate that non-harm was not discussed for these conclusions.

Conclusion 18* – Benefits/Harms

C18	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	2	0	4	1	4	1	1	2
Organisation	2	1	3	1	3	1	0	2
Enterprise	1	2	3	2	3	2	0	3
Total	5	3	10	4	10	4	1	7

C18	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	1	1	0	0
Organisation	0	0	0	0	0	2	0	0
Enterprise	0	0	0	0	1	1	0	0
Total	0	0	0	0	2	4	0	0

*See notes, Slide 17

Conclusion 2– Benefits/Harms

C2	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	3	3	4	3	4	4	4	4
Organisation	3	3	3	1	3	3	4	4
Enterprise	3	4	2	3	3	3	4	5
Total	9	10	9	7	10	10	12	13

C2	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	0	0	2	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	2	1	0	0

Conclusion 2:

This conclusion shows a high level of group support – benefits are recognised across the enterprise at all levels and scopes. Potential short- and long-term costs to the organisation seem to minimise some of perceived long-term benefit at the organization level.

[REDACTED]

[REDACTED]

Conclusion 1* – Benefits/Harms

C16	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	1	5	3	5	3	4	4	4
Organisation	2	4	2	3	1	1	4	4
Enterprise	1	4	3	6	1	2	3	3
Total	4	13	8	14	5	7	11	11

C1	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	2	0	0	0
Organisation	0	0	0	0	2	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	4	1	0	0

*See notes, slide 8

Conclusion 8 – Benefits/Harms

C8	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	2	3	1	4	3	3	2	3
Organisation	0	2	1	3	2	2	1	1
Enterprise	0	3	1	4	2	3	1	3
Total	2	8	3	11	7	8	4	7

C8	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	0	0	1	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	1	0	0

Conclusion 8:

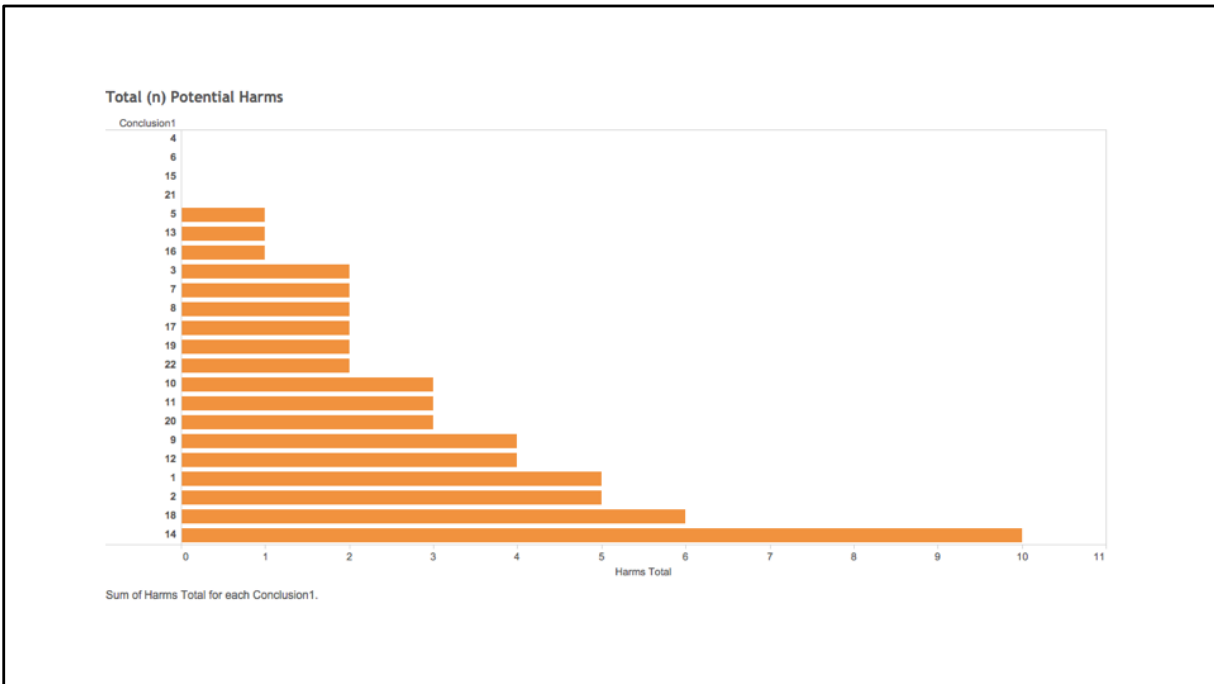
The group recognizes that this conclusion contributes significantly to reducing immediate harms, while also contributing long-term benefits across the enterprise. The potential organizational harm is identified as follows:

Conclusion 22* – Benefits/Harms

C22	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	5	1	1	1	2	0	0
Organisation	1	2	2	1	2	2	1	2
Enterprise	1	5	2	3	2	4	1	3
Total	2	12	5	5	5	8	2	5

C22	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	0	0	1	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	1	0	0

*See notes, slide 20



Here, we turn our attention to the harms that are identified during the discussions for each conclusion.

Conclusions 4, 6, 15, 21, 5, 13 and 16 have the fewest identified concerns.

Conclusions 14, 18, 2, 1, 12, and 9 have the highest number of identified concerns -- these are overviewed in the next several slides to prompt further discovery into understanding and addressing these potential harms.

Conclusion 14* – Benefits/Harms

C14	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	1	7	3	5	0	3	1	5
Organisation	1	7	3	6	0	4	1	5
Enterprise	1	7	3	5	0	3	1	5
Total	3	21	9	16	0	10	3	15

C14	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	1	0
Organisation	0	0	3	0	1	0	1	0
Enterprise	0	1	0	1	0	1	1	0
Total	0	1	3	1	1	1	3	0

*See notes, Slide 15

Conclusion 18* – Benefits/Harms

C18	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	2	0	4	1	4	1	1	2
Organisation	2	1	3	1	3	1	0	2
Enterprise	1	2	3	2	3	2	0	3
Total	5	3	10	4	10	4	1	7

C18	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	1	1	0	0
Organisation	0	0	0	0	0	2	0	0
Enterprise	0	0	0	0	1	1	0	0
Total	0	0	0	0	2	4	0	0

*See notes, slide 24

Conclusion 2*– Benefits/Harms

C2	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	3	3	4	3	4	4	4	4
Organisation	3	3	3	1	3	3	4	4
Enterprise	3	4	2	3	3	3	4	5
Total	9	10	9	7	10	10	12	13

C2	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	0	0	2	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	2	1	0	0

*See notes, slide 25

Conclusion 1* – Benefits/Harms

C16	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	1	5	3	5	3	4	4	4
Organisation	2	4	2	3	1	1	4	4
Enterprise	1	4	3	6	1	2	3	3
Total	4	13	8	14	5	7	11	11

C1	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	2	0	0	0
Organisation	0	0	0	0	2	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	4	1	0	0

*See notes, Slide 8

Conclusion 12 – Benefits/Harms

C12	ST Autonomy	LT Autonomy	ST Beneficence	LT Beneficence	ST Non-Malefeas	LT Non-Malefeas	ST Justice/Equit	LT Justice/Equit
End-User	0	4	0	3	0	1	0	3
Organisation	0	4	0	3	0	0	0	2
Enterprise	0	4	0	3	0	1	0	3
Total	0	12	0	9	0	2	0	8

C12	ST Autonomy	LT Autonomy	ST Beneficence	LT Beneficence	ST Non-Malefeas	LT Non-Malefeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	1	0	0	0
Organisation	0	0	0	0	2	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	3	1	0	0

Conclusion 12:

The group recognizes modest long-term benefit across the enterprise, indicating high concerns for potential harms at the organization level. These potential harms are identified as follows:

[REDACTED]

[REDACTED]

[REDACTED]

Conclusion 9* – Benefits/Harms

C9	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	6	1	5	1	4	0	4
Organisation	0	4	3	3	1	2	0	2
Enterprise	0	6	3	5	1	6	0	4
Total	0	16	7	13	3	12	0	10

C9	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfeas	ST Justice/Equit	LT Justice/Equit
End-User	0	0	0	0	0	0	0	0
Organisation	0	0	0	0	3	1	0	0
Enterprise	0	0	0	0	0	0	0	0
Total	0	0	0	0	3	1	0	0

*See notes, slide 14

Part II – Quantitative Consensus

Standard Deviation as a measure of the group's consensus to filter conclusion findings for further investigation

For this section, I used the standard deviation to re-rank the quantitative scores according to the consensus among the group. By looking both at where the group was in the most accord, we have a better idea of how to arrange our argument -- where consensus is low may indicate a low level of understanding of the conclusion and its effects.

Cost

In the following tables, standard deviation is used to indicating high, but decreasing, consensus moving from left to right.

High y-axis values show the average score per each conclusion on the x-axis.

These graphs are integral to the story we are creating with the data – we are looking for the best value with the highest measure of group consensus.

Low Scores = Good (G) or Bad (B)

Feasibility (B)

Manpower (B)

Time (B)

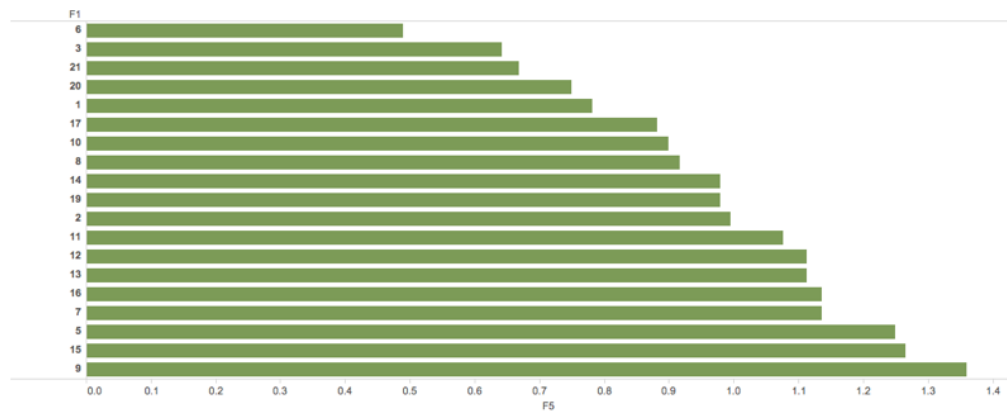
Benefits (G)

Costs (G)

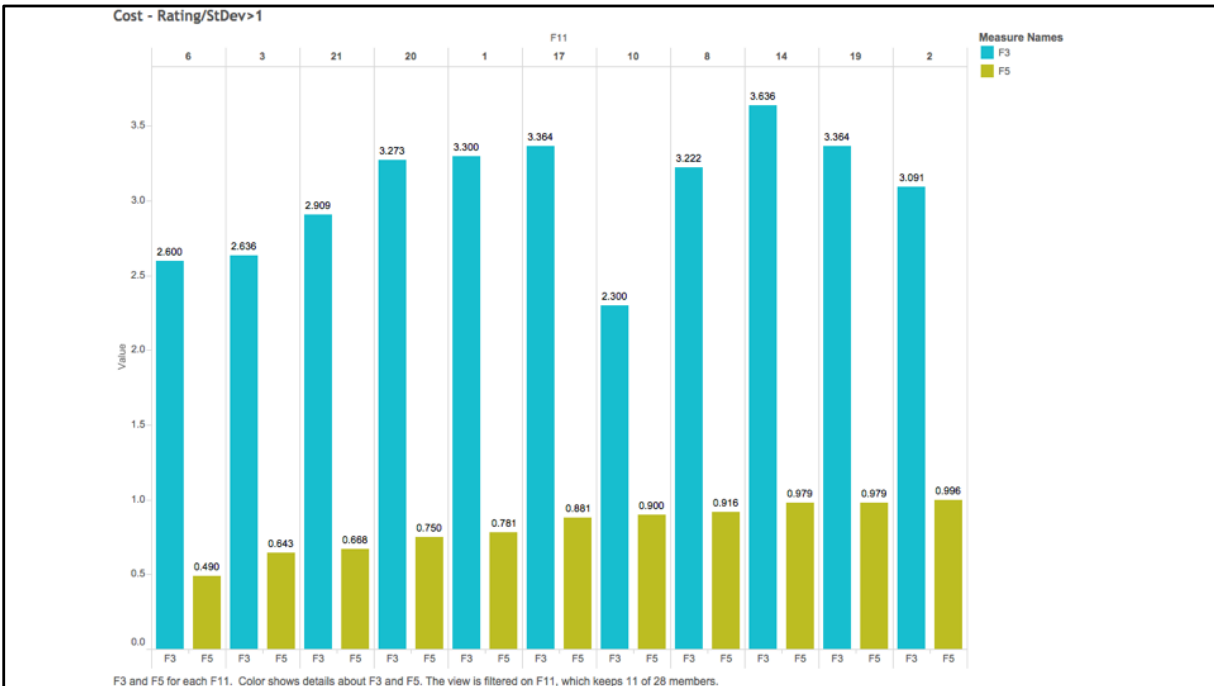
Likelihood of Failure (G)

Consequence of Failure (G)

Cost - Greatest Consensus



Lowest standard deviation (top) = highest level of group consensus.



High value = low cost (positive),

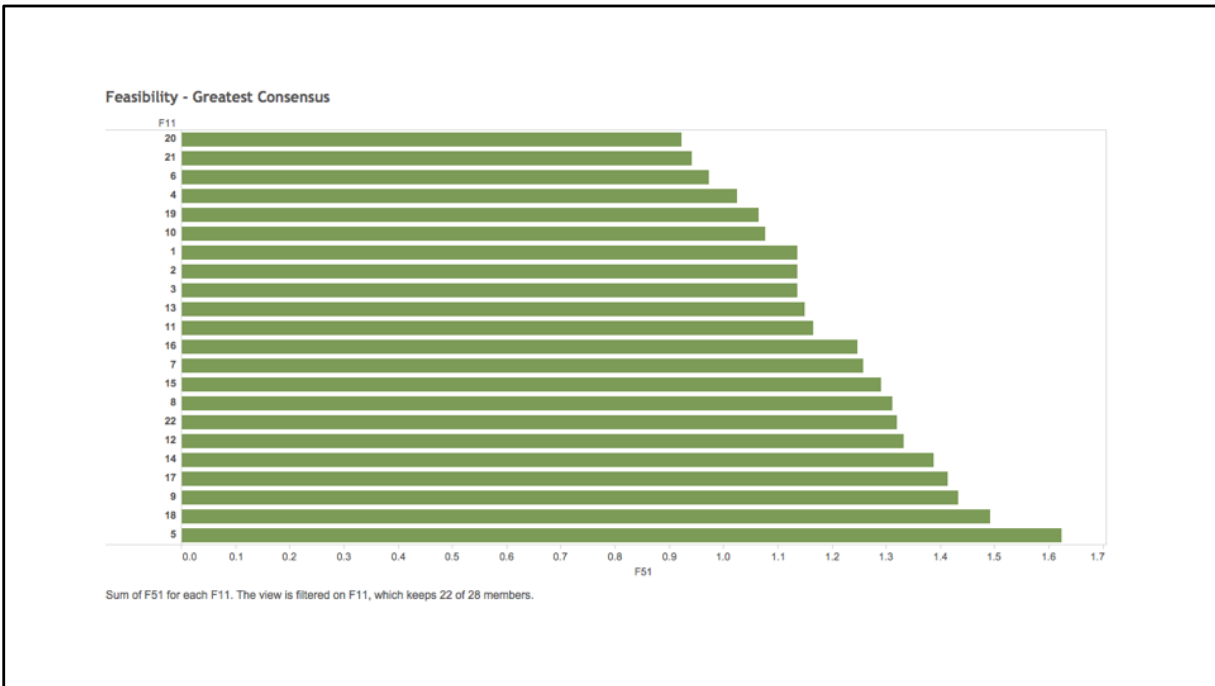
Conclusions 20, 1, 17, 14 and 19 are the strongest with the highest group consensus.

Feasibility

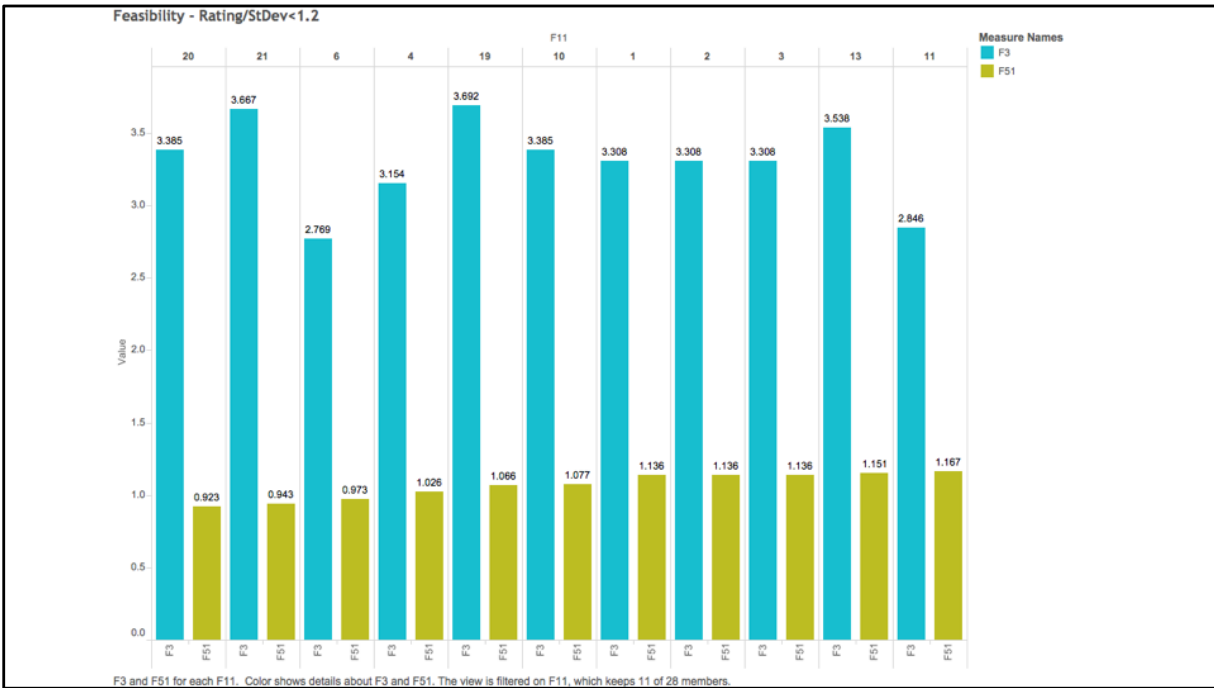
In the following tables, standard deviation is used to indicating high, but decreasing, consensus moving from left to right.

High y-axis values show the average score per each conclusion on the x-axis.

These graphs are integral to the story we are creating with the data – we are looking for the best value with the highest measure of group consensus.



Lowest standard deviation (top) = highest level of group consensus.



High value = high feasibility (positive)

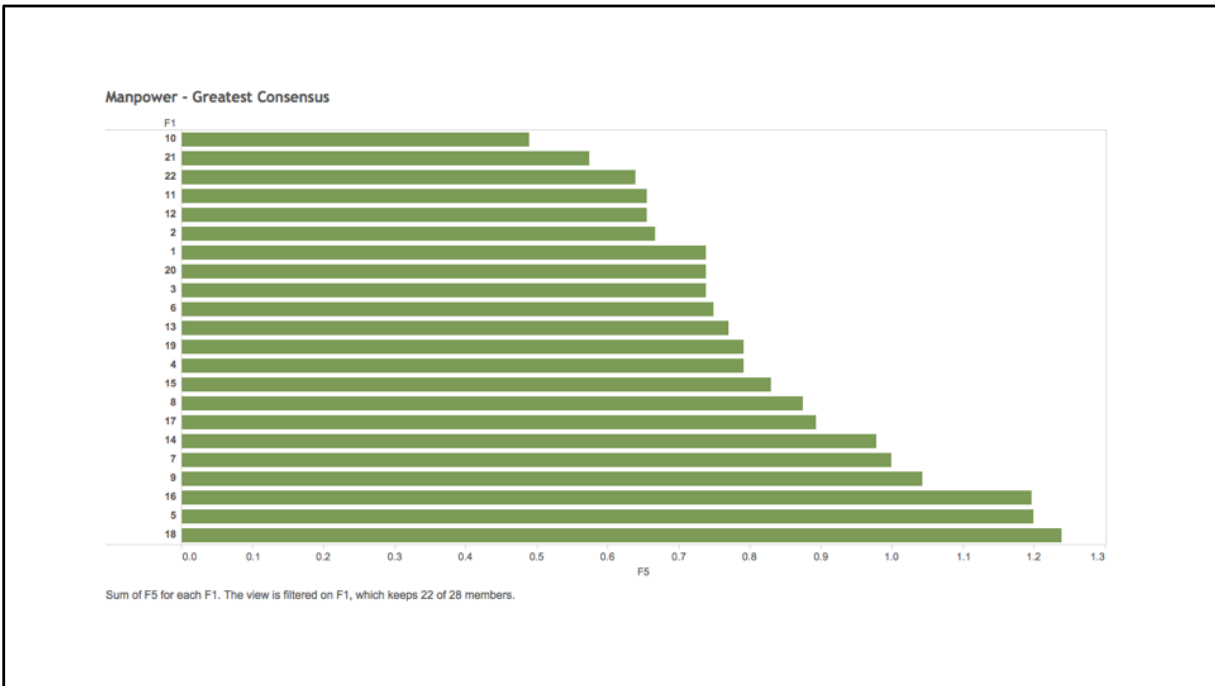
Conclusions 20, 21, 19, and 10 are the with the highest group consensus.

Manpower

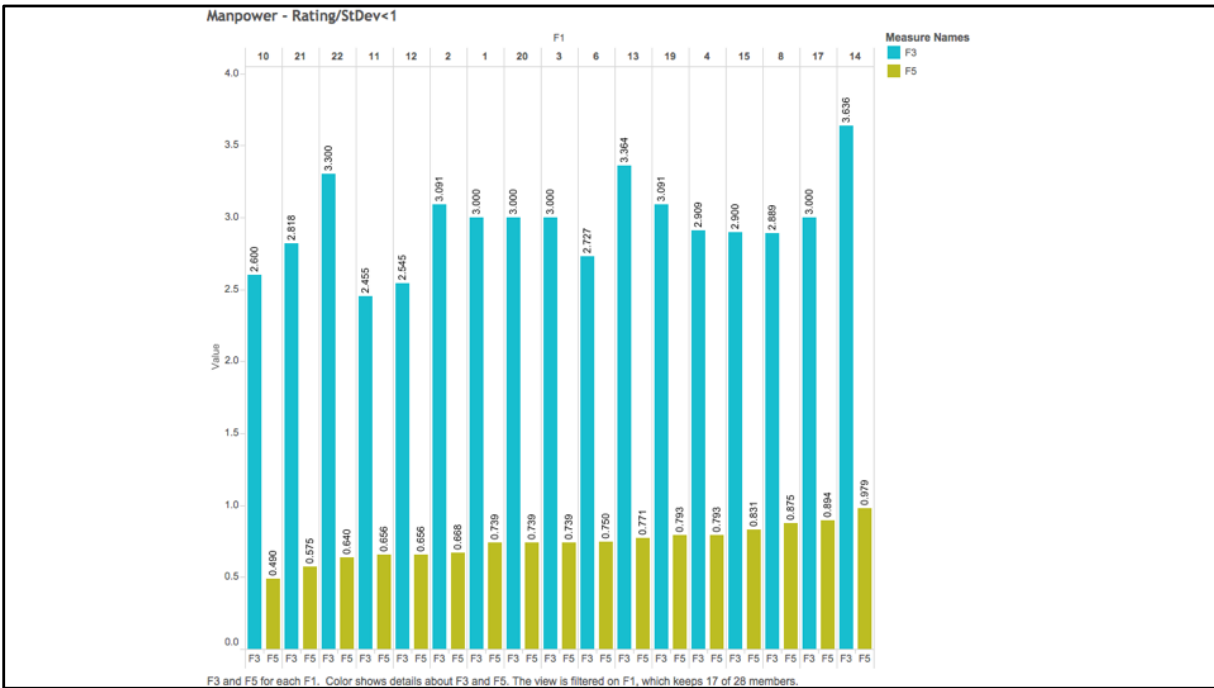
In the following tables, standard deviation is used to indicating high, but decreasing, consensus moving from left to right.

High y-axis values show the average score per each conclusion on the x-axis.

These graphs are integral to the story we are creating with the data – we are looking for the best value with the highest measure of group consensus.



Lowest standard deviation (top) = highest level of group consensus.



High values = low manpower required (positive),

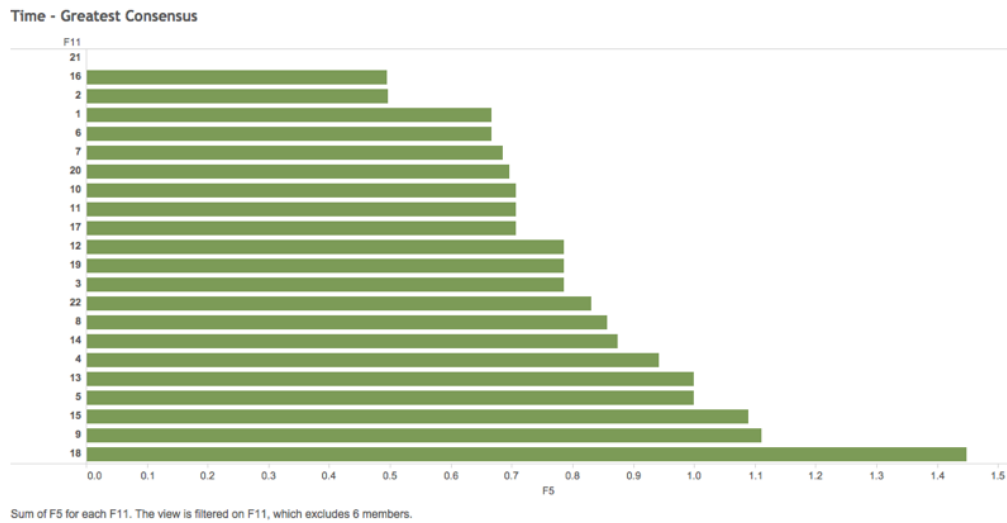
Conclusions 22, 13 and 14 are the strongest with the highest group consensus.

Time

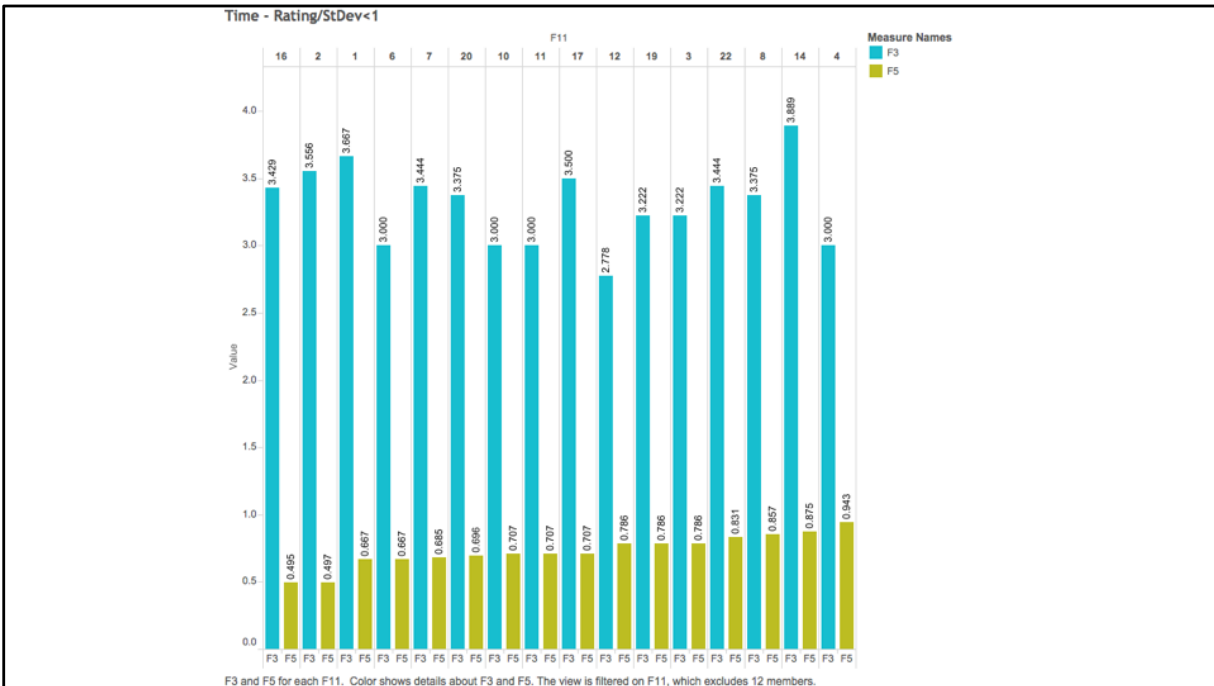
In the following tables, standard deviation is used to indicating high, but decreasing, consensus moving from left to right.

High y-axis values show the average score per each conclusion on the x-axis.

These graphs are integral to the story we are creating with the data – we are looking for the best value with the highest measure of group consensus.



Lowest standard deviation (top) = highest level of group consensus.



High value = low amount of time required (positive),

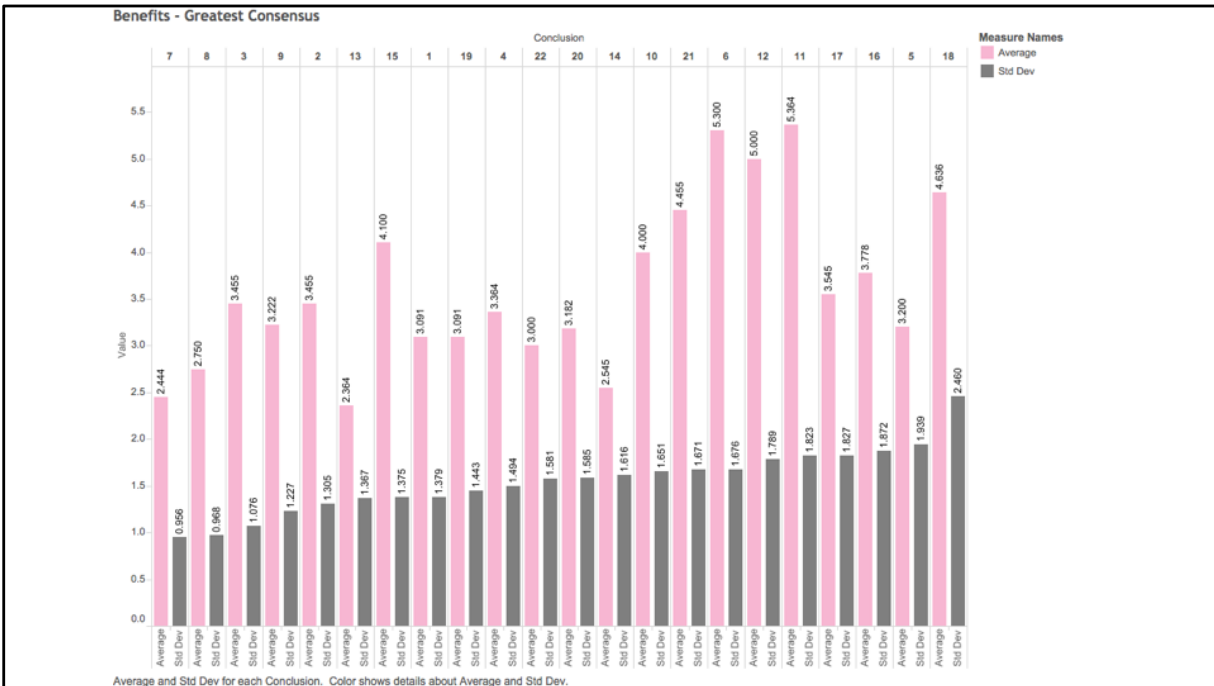
Conclusions 12, 2, 1, 17 and 14 are the strongest with the highest group consensus.

Risk

In the following tables, standard deviation is used to indicating high, but decreasing, consensus moving from left to right.

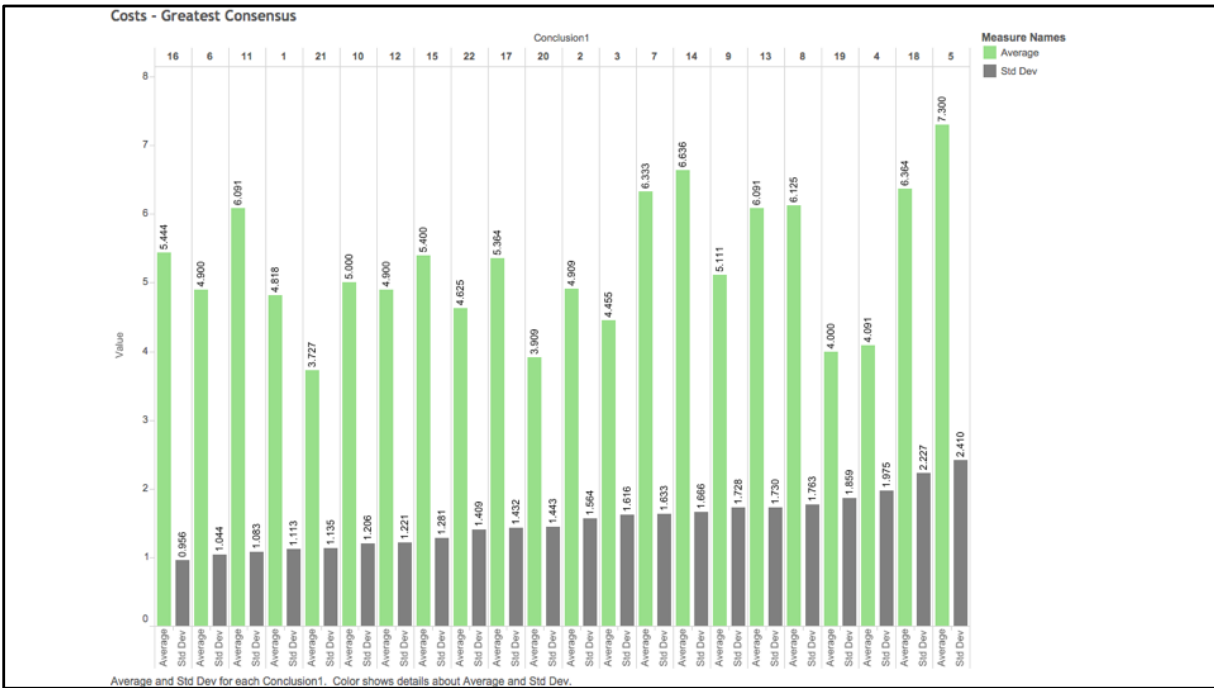
High y-axis values show the average score per each conclusion on the x-axis.

These graphs are integral to the story we are creating with the data – we are looking for the best value with the highest measure of group consensus.



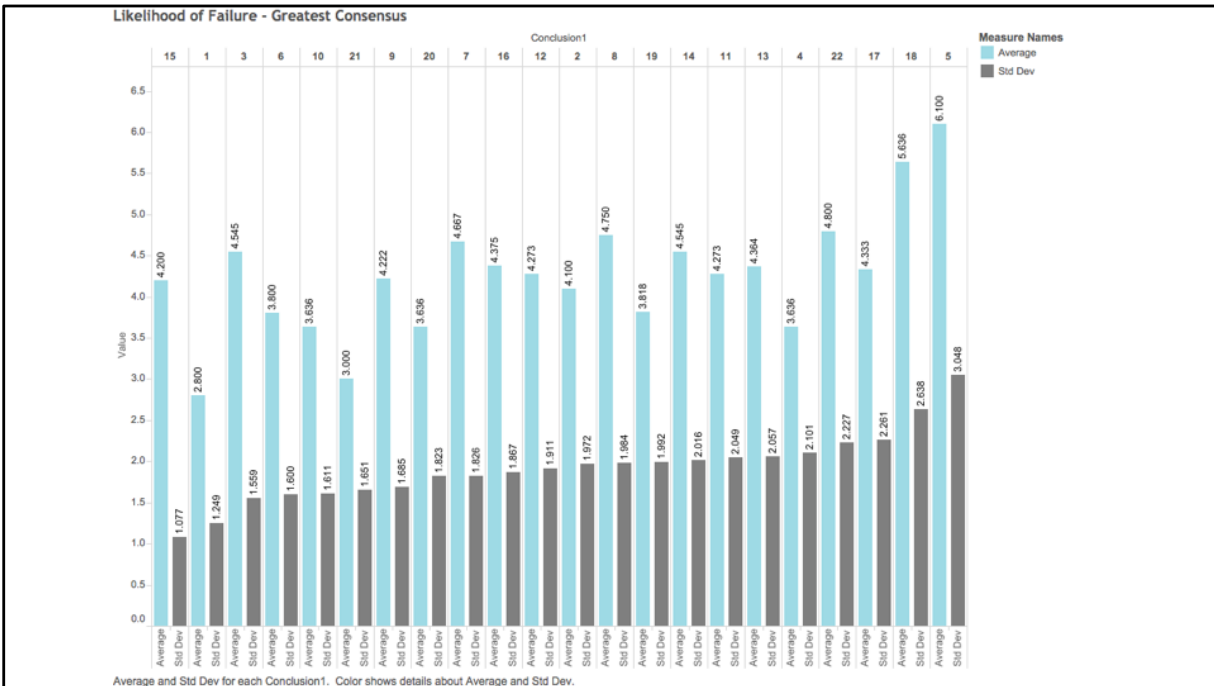
Low value = most benefit

Conclusions 7, 8, 13, and 14 are the strongest with the highest group consensus.



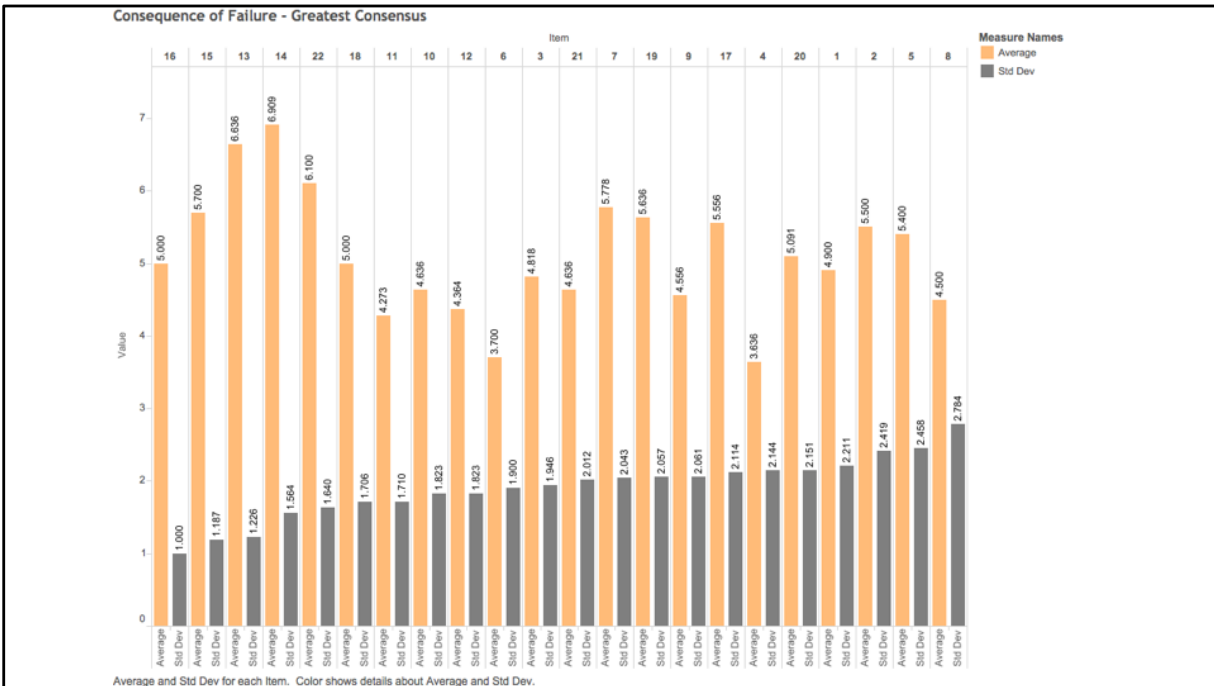
Low value = lowest cost

Conclusions 21, 20, 19, 4 and 3 are the strongest with the highest group consensus.



Low value = lowest likelihood of failure

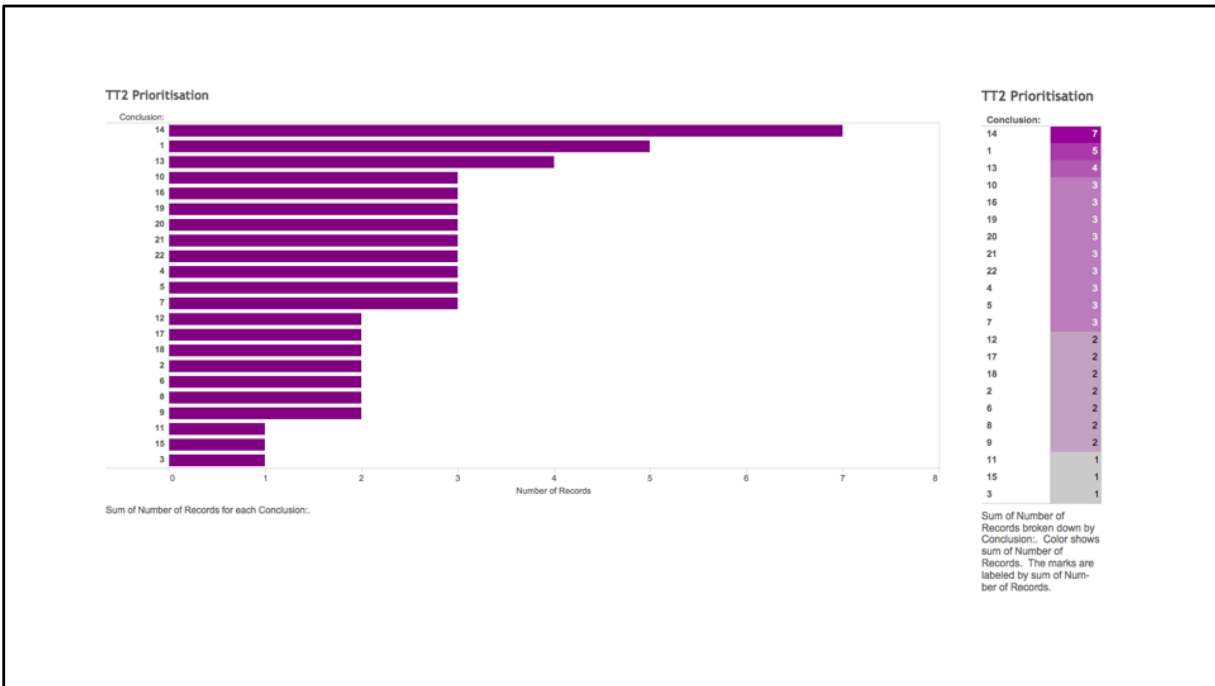
Conclusions 1, 21, 20, 19 and 4 are the strongest with the highest group consensus.



Low value = lowest consequences from failure

Conclusions 4, 6, 11, 12, 9, and 10 are the strongest with the highest group consensus.

Conclusions:



This analysis suggests further investigation into the following conclusions, which are ranked by most-potential benefit to the enterprise.

TOTAL	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeasanc	LT Non-Malfeasanc	ST Justice/Equity	LT Justice/Equity
End-User	39	83	49	80	35	49	42	77
Organisation	31	65	37	56	20	27	25	56
Enterprise	27	95	36	94	19	49	28	79
Total	97	243	122	230	74	125	95	212

C1	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeasanc	LT Non-Malfeasanc	ST Justice/Equity	LT Justice/Equity
End-User	3	5	4	5	2	1	5	5
Organisation	3	5	3	4	1	3	5	5
Enterprise	3	7	3	6	2	2	7	6
Total	9	17	10	15	5	6	17	16

C2	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeasanc	LT Non-Malfeasanc	ST Justice/Equity	LT Justice/Equity
End-User	3	3	4	3	4	4	4	4
Organisation	3	3	3	1	3	3	4	4
Enterprise	3	4	2	3	3	3	4	5
Total	9	10	9	7	10	10	12	13

C3	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeasanc	LT Non-Malfeasanc	ST Justice/Equity	LT Justice/Equity
End-User	0	1	2	2	2	2	3	3
Organisation	1	1	2	2	0	1	0	0
Enterprise	2	3	2	3	0	1	0	0
Total	3	5	6	7	2	4	3	3

C4	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeasanc	LT Non-Malfeasanc	ST Justice/Equity	LT Justice/Equity
End-User	1	1	1	2	1	2	2	2
Organisation	1	1	0	0	0	0	1	1
Enterprise	0	1	0	2	0	2	1	3
Total	2	3	1	4	1	4	4	6

C5	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeasanc	LT Non-Malfeasanc	ST Justice/Equity	LT Justice/Equity
End-User	3	5	3	5	1	2	3	4
Organisation	2	2	2	2	1	1	2	2
Enterprise	2	8	2	9	1	4	2	6
Total	7	15	7	16	3	7	7	12

C6	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeasanc	LT Non-Malfeasanc	ST Justice/Equity	LT Justice/Equity
End-User	1	5	1	5	0	4	1	5
Organisation	1	1	1	1	0	0	0	1
Enterprise	1	1	1	1	0	0	1	2
Total	3	7	3	7	0	4	2	8

C7	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeasanc	LT Non-Malfeasanc	ST Justice/Equity	LT Justice/Equity
End-User	3	5	4	6	4	5	4	5
Organisation	0	4	0	4	0	3	0	4
Enterprise	0	6	0	6	0	4	0	5
Total	3	15	4	16	4	12	4	14

C8	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeasanc	LT Non-Malfeasanc	ST Justice/Equity	LT Justice/Equity
End-User	2	3	1	4	3	3	2	3
Organisation	0	2	1	3	2	2	1	1
Enterprise	0	3	1	4	2	3	1	3
Total	2	8	3	11	7	8	4	7

C9	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeasanc	LT Non-Malfeasanc	ST Justice/Equity	LT Justice/Equity
End-User	0	6	1	5	1	4	0	4
Organisation	0	4	3	3	1	2	0	2
Enterprise	0	6	3	5	1	6	0	4
Total	0	16	7	13	3	12	0	10

C10	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeasanc	LT Non-Malfeasanc	ST Justice/Equity	LT Justice/Equity
End-User	2	5	2	5	1	2	3	5
Organisation	1	4	1	4	1	0	1	2
Enterprise	0	5	1	7	0	2	0	4
Total	3	14	4	16	2	4	4	11