CS 230 Project: Preanalysis *

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The main purpose of this document is to analyze the results of the DPs in order to determine which questions should be used in the analysis.

I will calculate on which issues opinions change the most, or if I can even use an average of all of the questions.
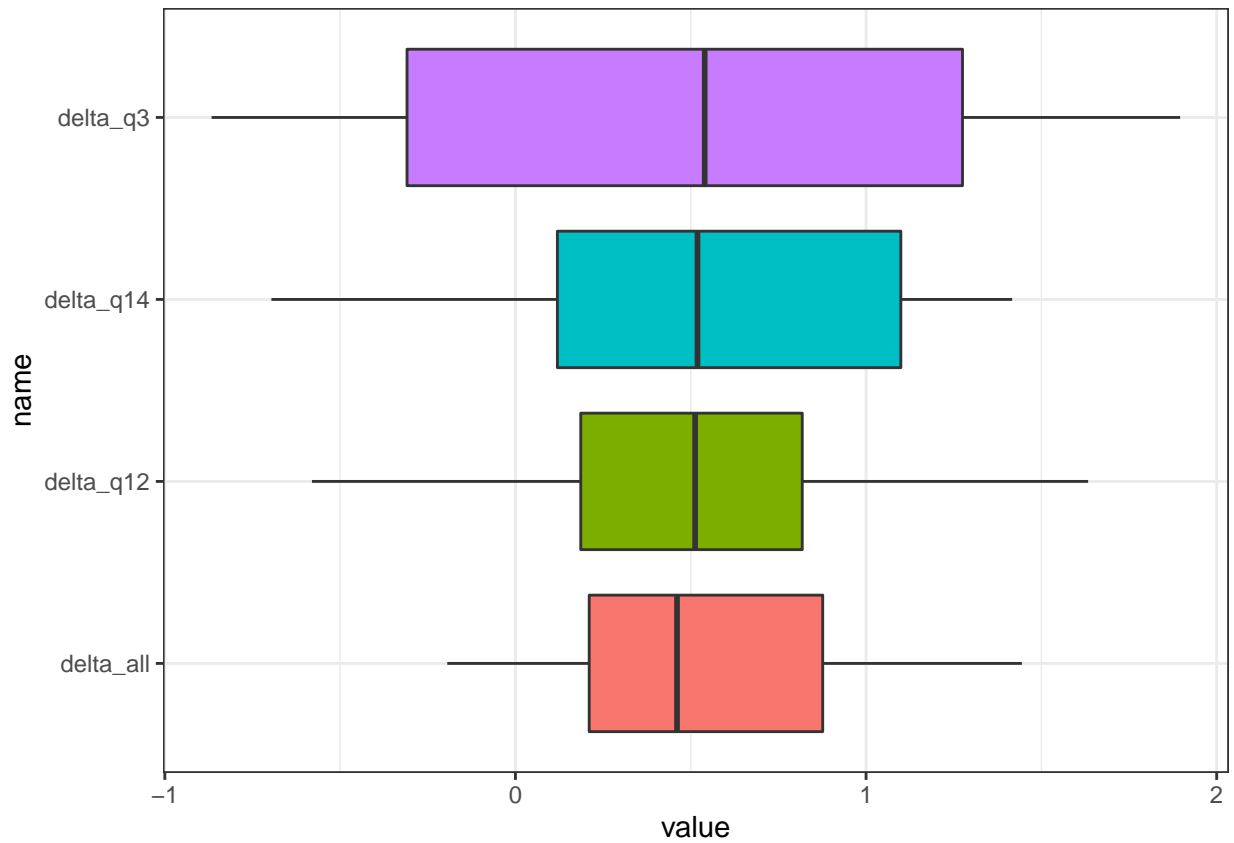
Ghana

Food Safety and Livelihood

The following questions have to do with food safety and livelihood:

- q3

- q12

- q14

Looks like the average delta is the same across all, so we can use all the groups.

delta_q3	delta_q12	delta_q14	delta_all
0.5765451	0.5518941	0.5632125	0.5638839

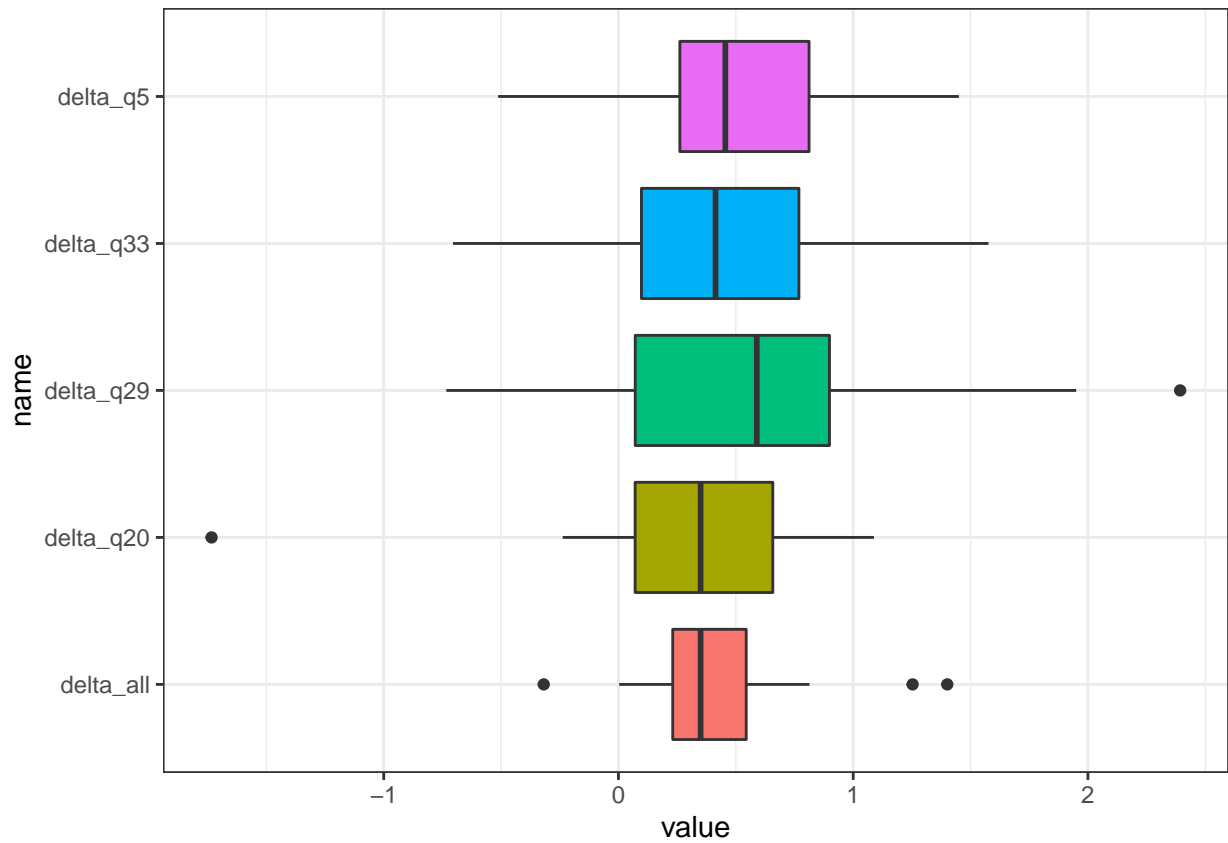*Code and data available at: github.com/rossdahlke/cs_230_project

Water policy

The following questions have to do with food safety and livelihood:

- q5

- q20

- q29

- q33

The deltas aren't huge here. I'll keep all of the data.

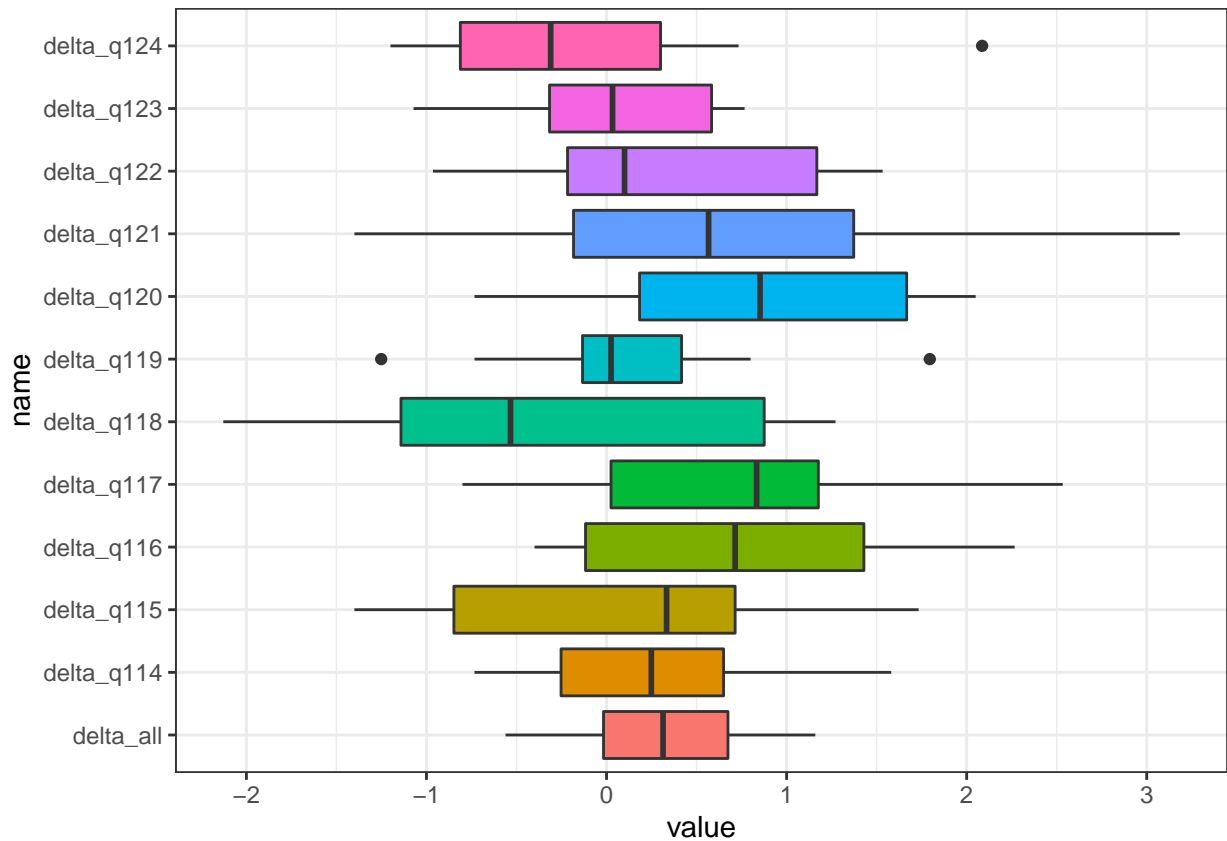| delta_q5	delta_q20	delta_q29	delta_q33	delta_all
0.5324381	0.2628249	0.5400384	0.4743246	0.4524065

Bududa

Land Management

- [28] "x114_planttrees_protectriverbeds"

- [29] "x115_riverchannels_localgovernment"

- [30] "x116_wetlands_dryseason"

- [31] "x117_riceschemes_notinwetlands"

- [32] "x118_communities_maintainwaterchannels"

- [33] "x119_communities_benefitscropdiversity"

- [34] "x120_communities_de_silting"

- [35] "x121_government_assistdesilting"

- [36] "x122_communities_sanitationdrains"

- [37] "x123_government_drillingcleanwater"

- [38] "x124_communities_resourcesaccesswater"

There's quite a bit of variation across questions. However, it all seems to average out in the "delta_all". So, I'll keep them all for now.

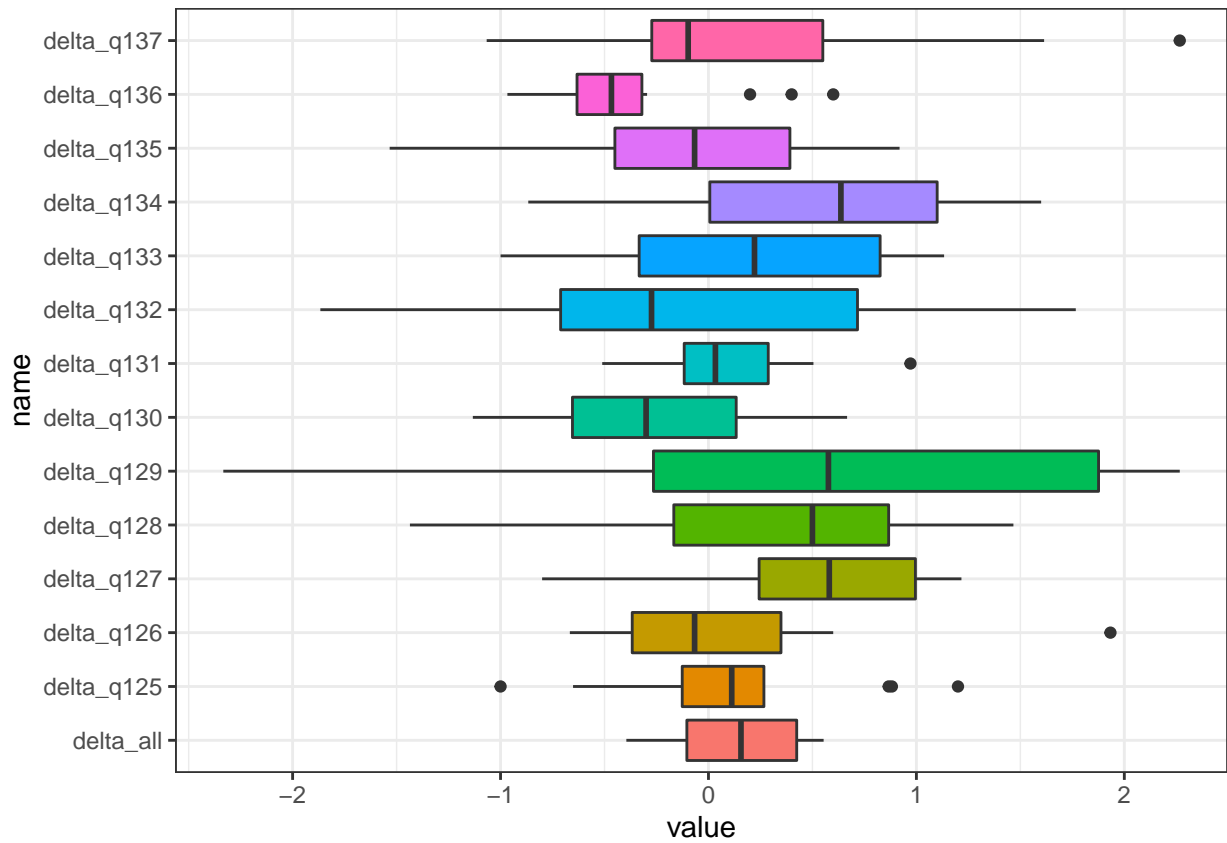| delta_q114	delta_q115	delta_q116	delta_q117	delta_q118	delta_q119	delta_q120	delta_q121	delta_q122	delta_q123	delta_q124	delta_all
0.2805468	0.1069335	0.5750484	0.7117216	-	0.1125981	0.8404631	0.1587715	0.9361839	0.0461277	-	0.2911837
			0.2782575						0.1329016		

Population pressure

- [39] "x125_buildroads_accessmarkets"

- [40] "x126_government_morebridges"

- [41] "x127_government_raisenarrowbridges"

- [42] "x128_newbuildings_highfloors"

- [43] "x129_communities_ladders"

- [44] "x130_government_oneclassschools"

- [45] "x131_commties_girlsandboys"

- [46] "x132_commties_technicalschools"

- [47] "x133_government_enforceminimumageof18"

- [48] "x134_resources_planningsizeoffamilies"

- [49] "x135_education_familyplanning"

- [50] "x136_healthcenter_i_is"

- [51] "x137_moreroads_fewerbridges"

Again, there's quite a bit of variation. But I'll still keep all of the questions.

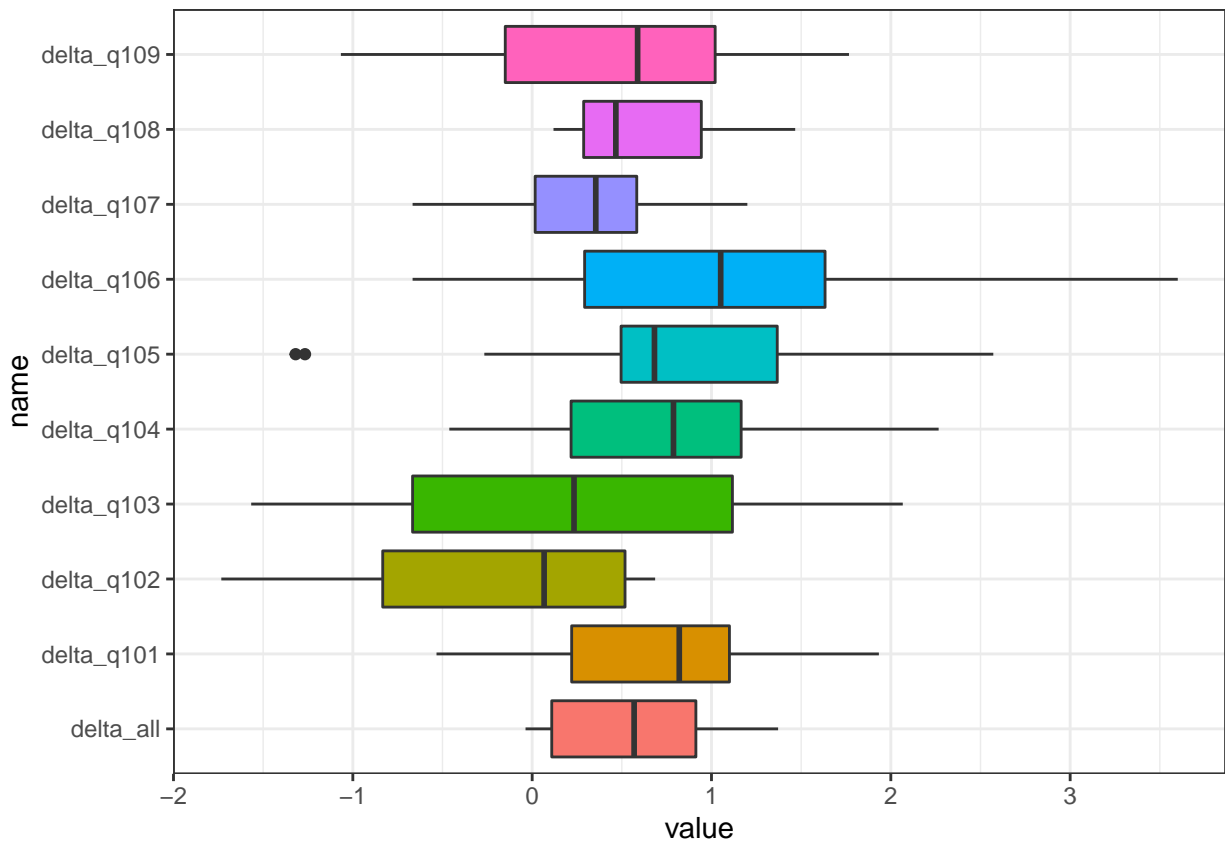| delta_q115a_q116a_q117a_q118a_q119a_q120a_q121a_q122a_q123a_q124a_q125a_q126a_q127a_all |
| --- |
| 0.1202250599685150517641200853399922 - 0.0999869 - 0.19737005602172 - - 0.17404151432677 |
| 0.267831 0.0402407 0.0575870379932 |

Resettlement

- [15] "x101_rezoning"

- [16] "x102_compesation"

- [17] "x103_resettle_hostfamilies"

- [18] "x104_support_hostfamilies"

- [19] "x105_strengthen_dm_cs"

- [20] "x106_raisefunds_dm_cs"

- [21] "x107_training_dm_cs"

- [22] "x108_buildperi_urbancenterrs"

- [23] "x109_newperi_urbancenters_nearby"

Again, there's quite a bit of variation. But I'll still keep all of the questions.

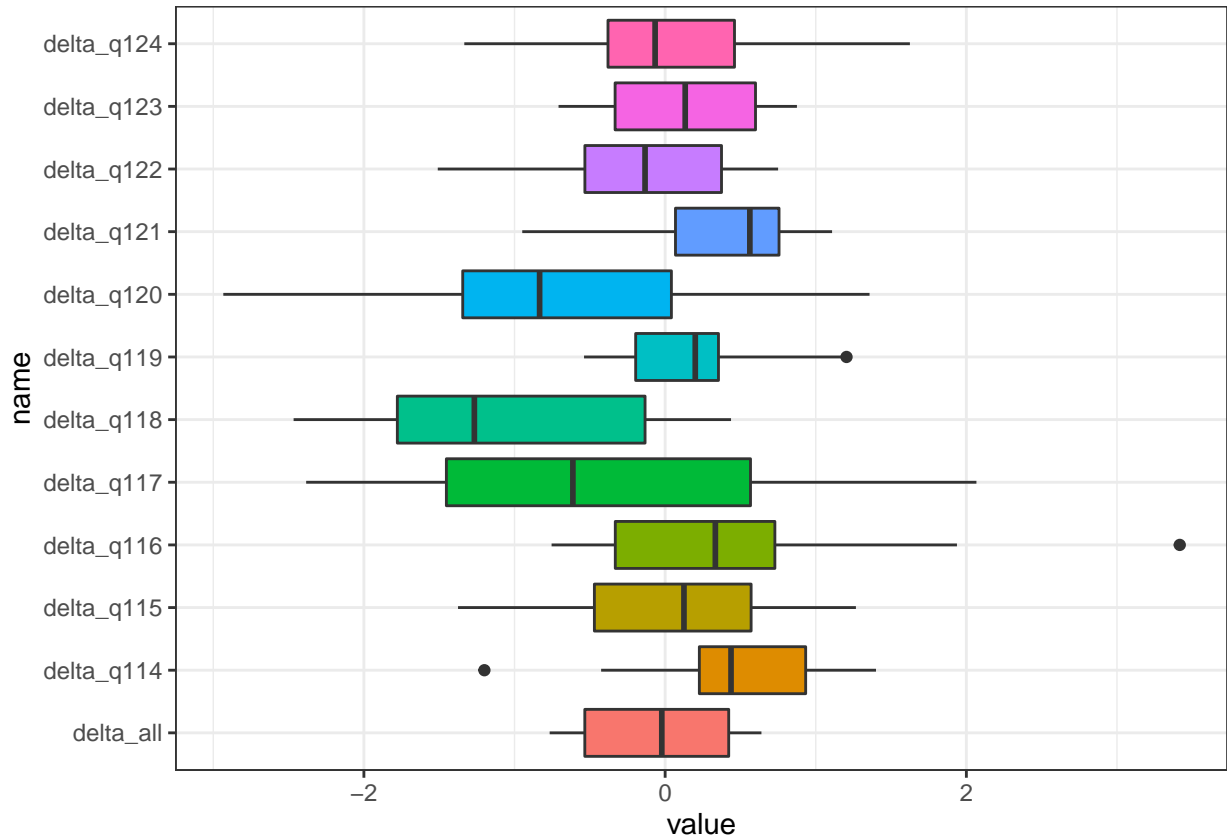| delta_q101	delta_q102	delta_q103	delta_q104	delta_q105	delta_q106	delta_q107	delta_q108	delta_q109	delta_all
0.7606881	-	0.272449	0.7472135	0.710609	1.145513	0.300431	0.629369	0.455625	0.5358219
	0.1995029								

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Butaleja

Land Management

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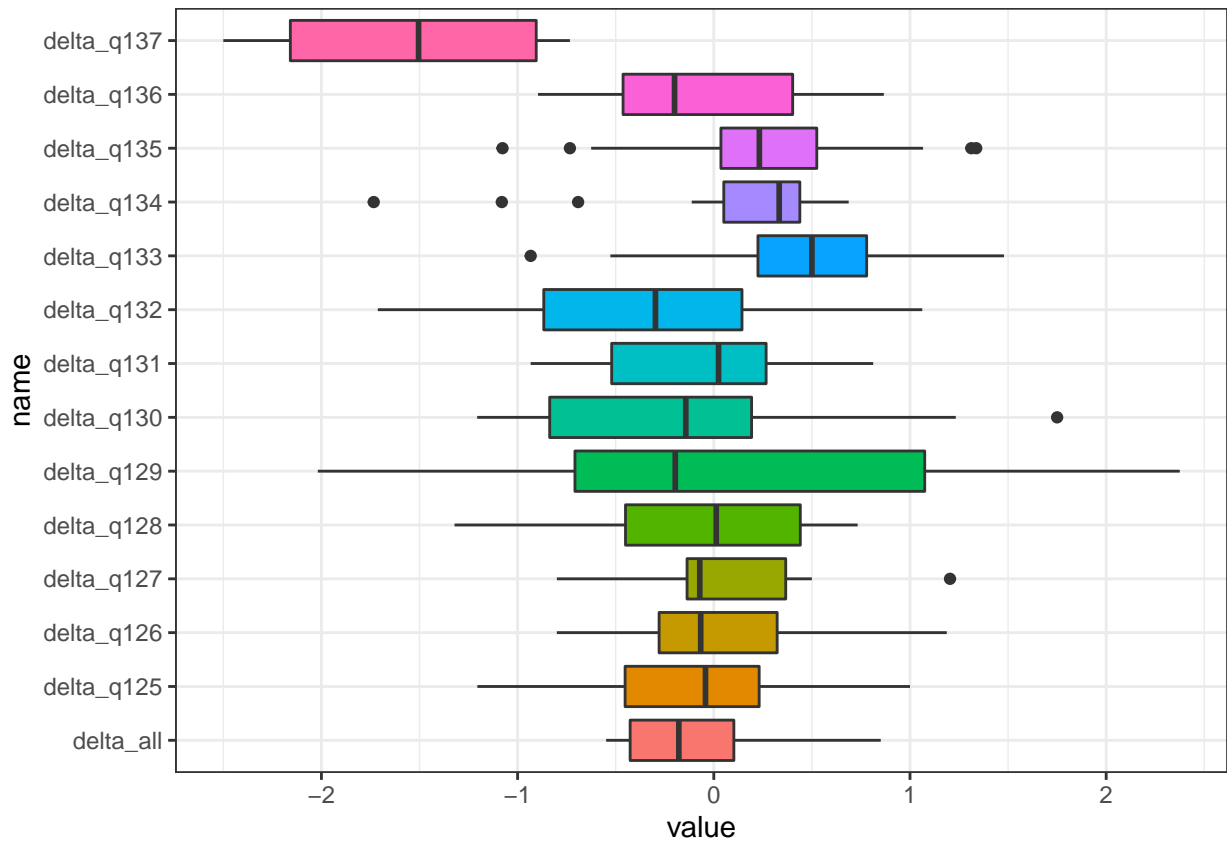| delta_q114	delta_q115	delta_q116	delta_q117	delta_q118	delta_q119	delta_q120	delta_q121	delta_q122	delta_q123	delta_q124	delta_all
0.4618460	0.5062358	0.5513398	-	-	0.1775008	-	0.3935667	-	0.1475283	-	-
	0.4040706	0.5943491		0.7936031		0.1689441		0.0206571		0.0426845	

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- [50] "x136_healthcenter_i_is"

- [51] "x137_moreroads_fewerbridges"

Again, there's quite a bit of variation. I'm going to remove 137 since it's such an outlier.

delta_qle25a_	qle26a_	qle27a_	qle28a_	qle29a_	qle30a_	qle31a_	qle32a_	qle33a_	qle34a_	qle35a_	qle36a_	qle37a_all
-	0.0082831	-	-	0.1182781	-	-	-	0.4393404	8567842450377	-	-	-
0.1303527	0.0006727	7042372		0.1985573	078936363285					0.0839017	52128	61241159

Resettlement

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- [18] "x104_support_hostfamilies"

- [19] "x105_strengthen_dm_cs"

- [20] "x106_raisefunds_dm_cs"

Again, there's quite a bit of variation. I *could* remove 101, but I'll keep it for now.

delta_q101	delta_q102	delta_q103	delta_q104	delta_q105	delta_q106	delta_q107	delta_q108	delta_q109	delta_all
1.246048	0.0403270	0.6443890	0.0567630	0.2345946	-	0.2014177	-	0.1074070	0.2564122
					0.0191714		0.2040673		