LCLUC_INTRA_category_analyses

Jessie Dearing

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This relies on the combined dfs from 1_data_import.

I. LABOR

3A vs. 4A ——————————————————————————

Who in the family undertake migrations? vs. Does migration impact labor?

Columns: labor_whoMigrates/labor_migImpactLabor

labor_whoMigrates	Yes	No	pct_yes	total_mentions
extended family/in-laws	13	5	0.7222222	22
child(ren), unspecified	19	11	0.6333333	32
daughter(s)	5	3	0.6250000	10
friend/neighbor(s)	5	3	0.6250000	8
wife	57	48	0.5428571	118
son(s)	22	19	0.5365854	45
person(s), unspecified	10	9	0.5263158	24
husband	61	60	0.5041322	134
sibling(s), unspecified	4	4	0.5000000	8
grandparent(s), unspecified	2	2	0.5000000	4
just myself	1	1	0.5000000	2
brother(s)	1	2	0.3333333	3
grandchild(ren), unspecified	1	3	0.2500000	4
household head	1	3	0.2500000	4
other	1	4	0.2000000	5
mother	0	3	0.0000000	5
hired help	0	3	0.0000000	3
father	0	1	0.0000000	1

3A vs 4B ——————————————————————————

Who in the family undertake migrations? vs. Does migration impact herding practices?

Columns: labor_whoMigrates/labor_migImpactPract

labor_whoMigrates	Yes	No	pct_yes	total_mentions
friend/neighbor(s)	5	3	0.6250000	8
extended family/in-laws	11	7	0.6111111	22
child(ren), unspecified	16	14	0.5333333	32

labor_whoMigrates	Yes	No	pct_yes	total_mentions
sibling(s), unspecified	4	4	0.5000000	8
just myself	1	1	0.5000000	2
son(s)	20	21	0.4878049	45
person(s), unspecified	9	10	0.4736842	24
wife	49	56	0.4666667	118
husband	53	68	0.4380165	134
other	2	3	0.4000000	5
daughter(s)	3	5	0.3750000	10
brother(s)	1	2	0.3333333	3
grandchild(ren), unspecified	1	3	0.2500000	4
grandparent(s), unspecified	1	3	0.2500000	4
household head	1	3	0.2500000	4
mother	0	3	0.0000000	5
hired help	0	3	0.0000000	3
father	0	1	0.0000000	1

3B vs. 4A

How many family members undertake migrations? vs. Does migration impact labor?

Columns: labor_numMigrates/labor_migImpactLabor

labor_numMigrates	labor_migImpactLabor	n	total	pct
0	No	2	2	1.0000000
1	Yes	2	10	0.2000000
1	No	8	10	0.8000000
2	Yes	26	70	0.3714286
2	No	33	70	0.4714286
2	NA	11	70	0.1571429
3	Yes	19	33	0.5757576
3	No	12	33	0.3636364
3	NA	2	33	0.0606061
4	Yes	10	28	0.3571429
4	No	14	28	0.5000000
4	NA	4	28	0.1428571
5	Yes	9	17	0.5294118
5	No	7	17	0.4117647
5	NA	1	17	0.0588235
6	Yes	8	13	0.6153846
6	No	5	13	0.3846154
7	Yes	3	5	0.6000000
7	No	1	5	0.2000000
7	NA	1	5	0.2000000
8	Yes	3	4	0.7500000
8	No	1	4	0.2500000
9	Yes	1	2	0.5000000
9	NA	1	2	0.5000000
10	Yes	1	2	0.5000000
10	No	1	2	0.5000000
11	NA	1	1	1.0000000

3B vs. 4B

How many family members undertake migrations? vs. Does migration impact herding practices?

Columns: labor_numMigrates/labor_migImpactPract

labor_numMigrates	labor_migImpactPract	n	total	pct
0	Yes	1	2	0.5000000
0	No	1	2	0.5000000
1	Yes	2	10	0.2000000
1	No	8	10	0.8000000
2	Yes	22	70	0.3142857
2	No	37	70	0.5285714
2	NA	11	70	0.1571429
3	Yes	17	33	0.5151515
3	No	14	33	0.4242424
3	NA	2	33	0.0606061
4	Yes	9	28	0.3214286
4	No	15	28	0.5357143
4	NA	4	28	0.1428571
5	Yes	8	17	0.4705882
5	No	8	17	0.4705882
5	NA	1	17	0.0588235
6	Yes	8	13	0.6153846
6	No	5	13	0.3846154
7	Yes	1	5	0.2000000
7	No	3	5	0.6000000
7	NA	1	5	0.2000000
8	Yes	2	4	0.5000000
8	No	2	4	0.5000000
9	Yes	1	2	0.5000000
9	NA	1	2	0.5000000
10	Yes	1	2	0.5000000
10	No	1	2	0.5000000
11	NA	1	1	1.0000000

3A vs. 5A

How many people undertake migrations? vs. Do you hire labor?

Columns: labor_whoMigrates/labor_hire

labor_numMigrates	labor_hire	n	total	pct
0	No	2	2	1.0000000
1	Yes	2	10	0.2000000
1	No	8	10	0.8000000
2	Yes	15	70	0.2142857
2	No	54	70	0.7714286
2	NA	1	70	0.0142857
3	Yes	7	33	0.2121212
3	No	26	33	0.7878788
4	Yes	4	28	0.1428571

labor_numMigrates	labor_hire	n	total	pct
4	No	24	28	0.8571429
5	Yes	3	17	0.1764706
5	No	14	17	0.8235294
6	Yes	3	13	0.2307692
6	No	10	13	0.7692308
7	Yes	2	5	0.4000000
7	No	3	5	0.6000000
8	No	4	4	1.0000000
9	No	2	2	1.0000000
10	Yes	1	2	0.5000000
10	No	1	2	0.5000000
11	No	1	1	1.0000000

II. ALTERNATIVE LIVELIHOODS

1A vs. 3A

Is someone in the household doing non-herding work? vs. Number of loans taken out per year?

Columns: altLife_nonHerdWork/altLife_loansPerYr

altLife_loansPerYr	altLife_nonHerdWork	n	total	pct
0.0	Yes	6	23	0.2608696
0.0	No	17	23	0.7391304
0.5	Yes	2	3	0.6666667
0.5	No	1	3	0.3333333
1.0	Yes	44	128	0.3437500
1.0	No	83	128	0.6484375
1.0	NA	1	128	0.0078125
2.0	Yes	8	26	0.3076923
2.0	No	18	26	0.6923077
3.0	No	2	2	1.0000000

1A vs. 3C

Is someone in the household doing non-herding work? vs. When do you typically need loans?

Columns: altLife_nonHerdWork/altLife_loansWhenNeed

altLife_loansWhenNeed	altLife_nonHerdWork	n	total	pct
autumn	Yes	20	56	0.3571429
autumn	No	36	56	0.6428571
depends on needs	Yes	2	3	0.6666667
depends on needs	No	1	3	0.3333333
during medical treatment	No	1	1	1.0000000
during migration	Yes	1	1	1.0000000
lunar new year	Yes	8	34	0.2352941

altLife_loansWhenNeed	altLife_nonHerdWork	n	total	pct
lunar new year	No	26	34	0.7647059
never	Yes	3	4	0.7500000
never	No	1	4	0.2500000
nnever	No	1	1	1.0000000
spring	Yes	12	31	0.3870968
spring	No	19	31	0.6129032
summer	Yes	1	10	0.1000000
summer	No	9	10	0.9000000
winter	Yes	32	112	0.2857143
winter	No	79	112	0.7053571
winter	NA	1	112	0.0089286
year round	Yes	2	5	0.4000000
year round	No	3	5	0.6000000

III. HERD MANAGEMENT

5B vs. 9A

What is the average distance of moves, now vs. 10yrs ago? vs. Changed management practices (yes/no):

Columns: herdMgmt_avgDistMoves/herdMgmt_10yrs_avgMoveDist/herdMgmt_past5Yrs_mgmtChanges

move_category	practices_chgd	n	total	pct
moved an equal amount of distance	Yes	10	45	0.2222222
moved an equal amount of distance	No	34	45	0.7555556
moved an equal amount of distance	NA	1	45	0.0222222
moved less 10yrs ago than last year	Yes	9	28	0.3214286
moved less 10yrs ago than last year	No	18	28	0.6428571
moved less 10yrs ago than last year	NA	1	28	0.0357143
moved more 10yrs ago than last year	Yes	32	99	0.3232323
moved more 10yrs ago than last year	No	67	99	0.6767677

9A vs. 11A

Changed management practices (yes/no): vs. Are there changes you want to make to your management practices but can't?

Columns: herdMgmt_past5Yrs_mgmtChanges/herdMgmt_whatChanges_cantMake

past_made_changes	future_cantChange	n
No	Yes	78
No	No	49
Yes	Yes	44
Yes	No	13
NA	No	1

past_made_changes	future_cantChange	n
NA	Yes	1
NA	NA	1

10A vs. 12

Planning to change management practices (yes/no): vs. Condition and degree of pastoral change:

Columns: herdMgmt_next5Yrs_mgmtChanges/herdMgmt_pastureCon_chg_yn/herdMgmt_pastureCon_ch

condition_comparison	next5yrs_changes	n	total	pct
Substantially Degraded	Yes	29	48	0.6041667
Substantially Degraded	No	19	48	0.3958333
Moderately Degraded	Yes	41	63	0.6507937
Moderately Degraded	No	22	63	0.3492063
Slightly Degraded	Yes	11	18	0.6111111
Slightly Degraded	No	7	18	0.3888889
No change	Yes	21	44	0.4772727
No change	No	23	44	0.5227273
Slightly Improved	Yes	1	1	1.0000000
Moderately Improved	Yes	5	11	0.4545455
Moderately Improved	No	6	11	0.5454545

11A vs. 12

Are there changes you want to make to your management practices but can't? vs. Condition and degree of pastoral change:

Columns: herdMgmt_whatChanges_cantMake/herdMgmt_pastureCon_chg_yn/herdMgmt_pastureCon_ch

condition_comparison	chgDesire	n	total	pct
Substantially Degraded	Yes	35	48	0.7291667
Substantially Degraded	No	13	48	0.2708333
Moderately Degraded	Yes	42	63	0.6666667
Moderately Degraded	No	21	63	0.3333333
Slightly Degraded	Yes	10	18	0.5555556
Slightly Degraded	No	8	18	0.4444444
No change	Yes	29	44	0.6590909
No change	No	15	44	0.3409091
Slightly Improved	Yes	1	1	1.0000000
Moderately Improved	Yes	5	11	0.4545455
Moderately Improved	No	6	11	0.5454545

IV. LIVESTOCK

1E vs. 3A

Have certain types of livestock increased or decreased? By Household: vs. Did you purchase supplemental fodder last year?

Columns: livestock_2023_camel/livestock_2023_cow/livestock_2023_horse/livestock_2023_sheep/livestock

change_label	lastYrfodder_yes	lastYrfodder_no	total_	pct_yes
2023: fewer camel	14	0	14	1.0000000
2023: more camel	4	0	4	1.0000000
2023: more cow	88	4	92	0.9565217
2023: fewer horse	48	3	51	0.9411765
2023: more goat	85	7	92	0.9239130
2023: more sheep	78	7	85	0.9176471
2023: more horse	87	8	95	0.9157895
2023: fewer sheep	75	7	82	0.9146341
2023: fewer cow	59	6	65	0.9076923
2023: fewer goat	66	7	73	0.9041096
2023: same camel	150	16	166	0.9036145
2023: same goat	17	2	19	0.8947368
2023: same sheep	15	2	17	0.8823529
2023: same horse	33	5	38	0.8684211
2023: same cow	21	6	27	0.7777778

1E vs. 4A

Have certain types of livestock increased or decreased? by Soum: vs. Do you plan to purchase supplemental fodder this year?

Columns: livestock_2023_camel/livestock_2023_cow/livestock_2023_horse/livestock_2023_sheep/livestock

change_label	thisYrfodder_yes	thisYrfodder_no	total_	pct_yes
2023: more camel	4	0	4	1.0000000
2023: more cow	90	2	92	0.9782609
2023: fewer sheep	80	3	83	0.9638554
2023: fewer horse	50	2	52	0.9615385
2023: more goat	88	4	92	0.9565217
2023: more horse	90	5	95	0.9473684
2023: same goat	18	1	19	0.9473684
2023: same camel	158	9	167	0.9461078
2023: more sheep	80	5	85	0.9411765
2023: fewer cow	62	4	66	0.9393939
2023: fewer goat	69	5	74	0.9324324
2023: fewer camel	13	1	14	0.9285714
2023: same horse	35	3	38	0.9210526
2023: same sheep	15	2	17	0.8823529

change_label	thisYrfodder_yes	thisYrfodder_no	total_	pct_yes
2023: same cow	23	4	27	0.8518519

1E vs. 4B

Have certain types of livestock increased or decreased? by Soum: vs. Have you noticed any long term shifts in vegetation/forage?

Columns: livestock_2023_camel/livestock_2023_cow/livestock_2023_horse/livestock_2023_sheep/livestock

change_label	Yes: Both	Yes: Quantity	No Change	Yes: Quality
2023: same camel	126	22	13	6
2023: more horse	71	15	7	2
2023: fewer sheep	69	5	6	3
2023: more goat	67	14	9	2
2023: more cow	66	14	11	1
2023: fewer goat	62	4	4	4
2023: more sheep	62	14	7	2
2023: fewer cow	55	5	2	4
2023: fewer horse	42	4	2	4
2023: same horse	29	4	4	1
2023: same cow	21	4	0	2
2023: same goat	13	5	0	1
2023: fewer camel	12	1	0	1
2023: same sheep	11	4	0	2
2023: more camel	4	0	0	0

2A vs. 3A

Have certain types of livestock increased or decreased? By Household: vs. Did you purchase supplemental fodder last year?

Columns: livestock_2023_camel/livestock_2023_cow/livestock_2023_horse/livestock_2023_sheep/livestock

SFU_comparison	fodder_yes	fodder_no	total_yes_no	pct_yes
2023: greater SFU	99	8	107	0.9252336
2023: less SFU	70	7	77	0.9090909
2023: same SFU	0	1	1	0.0000000

3A vs. 4A

Did you purchase supplemental fodder last year? vs. 4A. Do you plan to purchase supplemental fodder this year?

Columns: lastYr_fodder/thisYr_fodder

lastYr_fodder	thisYr_fodder	n
Yes	Yes	166
No	Yes	9
No	No	7
Yes	No	3
NA	Yes	1
NA	NA	1

6A vs. 9A

Has your herd size changed over the last five years? Overall vs. Do you have plans to substantially change the size of your herd?

Columns: past5yrs_herdsize/nextYr_herdChg/nextYr_what

past5yrs_herdsize	plans4Change	n
Increase	Will Not Change	38
Decrease	Will Not Change	31
Increase	Yes: Increase	26
Increase	Unclear	21
The Same	Will Not Change	19
Decrease	Unclear	18
Decrease	Yes: Increase	13
The Same	Unclear	9
The Same	Yes: Increase	9
The Same	Yes: Unsure	1
NA	Unclear	1
NA	Yes: Increase	1