Codebook: Nigerian Aquaculture Lean Intervention Project

Serial Number (SN)		
		Value
Standard Attributes	Position	1
	Label	A serial number assigned to each project
	Type	Numeric
	Format	F4
	Measurement	Nominal
	Role	Input

Record ID				
		Value	Count	Percent
Standard Attributes	Position	2		
	Label	A unique identifier for the project		
	Type	Numeric		
	Format	F4		
	Measurement	Scale		
	Role	Input		
N	Valid	246		
	Missing	19		
Central Tendency and Dispersion	Mean	82.95		
	Standard Deviation	48.664		
	Percentile 25	42.00		
	Percentile 50	83.50		
	Percentile 75	119.00		
Labeled Values	-9	Unknown Record ID	19	7.2 %

Lame Name				
		Value	Count	Percent
	Position	3		

Standard Attributes	Label	The name of the lean subject matter expert		
	Type	String		
	Format	A29		
	Measurement	Nominal		
	Role	Input		
Valid Values	Name 1		12	4.5%
	Name 2		10	3.8%
	Name 3		14	5.3%
	Name 4		9	3.4%
	Name 5		8	3.0%
	Name 6		8	3.0%
	Name 7		13	4.9%
	Name 8		12	4.5%
	Name 9		7	2.6%
	Name 10		9	3.4%
	Name 11		12	4.5%
	Name 12		9	3.4%
	Name 13		4	1.5%
	Name 14		11	4.2%
	Name 15		2	0.8%
	Name 16		9	3.4%
	Name 17		1	0.4%
	Name 18		11	4.2%
	Name 19		6	2.3%
	Name 20		13	4.9%
	Name 21		1	0.4%
	Name 22		11	4.2%
	Name 23		9	3.4%
	Name 24		9	3.4%
	Name 25		5	1.9%
	Name 26		12	4.5%
	Name 27		6	2.3%
	Name 28		11	4.2%
	Name 29		9	3.4%

			12	4.5%

Farm ID		
		Value
Standard Attributes	Position	4
	Label	The name of the farm or project owner
	Type	String
	Format	A95
	Measurement	Nominal
	Role	Input

Farm system size				
		Value	Count	Percent
Standard Attributes	Position	5		
	Label	The size of the farm system (pond, tank, etc) in squared meters		
	Type	Numeric		
	Format	F17		
	Measurement	Scale		
	Role	Input		
N	Valid	235		
	Missing	30		

Central Tendency and Dispersion	Mean	726.71		
	Standard Deviation	1516.540		
	Percentile 25	83.62		
	Percentile 50	325.15		
	Percentile 75	668.00		
Labeled Values	-10	Unknown	0	0.0%

Age				
		Value	Count	Percent
Standard Attributes	Position	6		
	Label	The age of the project or farm owner in years		
	Type	Numeric		
	Format	F2		
	Measurement	Scale		
	Role	Input		
N	Valid	248		
	Missing	17		
Central Tendency and Dispersion	Mean	42.22		
	Standard Deviation	10.509		
	Percentile 25	35.00		
	Percentile 50	40.00		
	Percentile 75	48.50		
Labeled Values	-20	No answer	0	0.0%
	-12	Unknown Age	0	0.0%

	1	18-39	0	0.0%
	2	40-59	0	0.0%
	3	60+	0	0.0%

Experience

		Value	Count	Percent
Standard Attributes	Position	7		
	Label	The farmer's number of years of experience in aquaculture		
	Type	Numeric		
	Format	F3		
	Measurement	Scale		
	Role	Input		
N	Valid	249		
	Missing	16		
Central Tendency and Dispersion	Mean	8.24		
	Standard Deviation	6.181		
	Percentile 25	4.00		
	Percentile 50	7.00		
	Percentile 75	10.00		
Labeled Values	-4	Unknown years of experience	0	0.0%
	0	0	5	1.9%
	1	1	16	6.0%
	2	2	21	7.9%
	3	3	13	4.9%
	4	4	20	7.5%
	5	5	19	7.2%

	6	6	21	7.9%
	7	7	17	6.4%
	8	8	23	8.7%
	9	9	7	2.6%
	10	10	25	9.4%
	11	11	8	3.0%
	12	12	6	2.3%
	13	13	6	2.3%

	14	14	5	1.9%
	15	15	11	4.2%
	16	16	2	0.8%
	17	17	2	0.8%
	18	18	5	1.9%
	19	19	0	0.0%
	20	20	5	1.9%
	21	21	1	0.4%
	22	22	3	1.1%
	23	23	0	0.0%
	24	24	0	0.0%
	25	25	5	1.9%
	26	26	0	0.0%
	27	27	0	0.0%
	28	28	1	0.4%
	29	29	0	0.0%
	30	30	0	0.0%
	31	31	0	0.0%
	32	32	0	0.0%
	33	33	0	0.0%
	34	34	0	0.0%
	35	35	2	0.8%
	36	36	0	0.0%
	37	37	0	0.0%
	38	38	0	0.0%
	39	39	0	0.0%
	40	40	0	0.0%
	41	41	0	0.0%
	42	42	0	0.0%
	43	43	0	0.0%
	44	44	0	0.0%

	45	45	0	0.0%
	46	46	0	0.0%
	47	47	0	0.0%
	48	48	0	0.0%
	49	49	0	0.0%
	50	50	0	0.0%
	51	51	0	0.0%
	52	52	0	0.0%
	53	53	0	0.0%
	54	54	0	0.0%
	55	55	0	0.0%
	56	56	0	0.0%
	57	57	0	0.0%
	58	58	0	0.0%
	59	59	0	0.0%
	60	60	0	0.0%

Sex				
		Value	Count	Percent
Standard Attributes	Position	8		
	Label	Sex of the farmer (divided into male and female)		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Female	52	19.6%
	2	Male	213	80.4%

Location				
		Value	Count	Percent
Standard Attributes	Position	9		
	Label	The Nigerian state where the farmer comes from		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Delta	118	44.5%
	2	Ogun	133	50.2%
	3	Unreported	14	5.3%

Farm type				
		Value	Count	Percent
	Position	10		

Standard Attributes	Label	Whether the farmer owns a small or large-scale farm. The notion of small-scale or "smallholder" farmers originated from the subsistence practice of privately owned businesses with limited utilization of technology. Enterprises of the farmers classified as		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Smallholder	201	75.8%
	2	Corporate	64	24.2%

Farm system				
		Value	Count	Percent
	Position	11		

Standard Attributes	Label	The type of aquaculture system used (e.g., pond, cage).		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Pond	200	75.5%
	2	Tank	49	18.5%
	4	Other	16	6.0%

OperationSize				
		Value	Count	Percent
Standard Attributes	Position	12		
	Label	The volume of fish in metric tons produced annually by the farmer		
	Type	Numeric		
	Format	F8		
	Measurement	Nominal		
	Role	Input		

Valid Values	-1	Unreported	17	6.4%
	0	0-2 tons	56	21.1%
	1	2.01-4 tons	49	18.5%
	2	Over 4 tons	143	54.0%

Yearly_Revenue				
		Value	Count	Percent
Standard Attributes	Position	13		
	Label	The farmer's yearly earning in Nairas		
	Type	Numeric		
	Format	F8		
	Measurement	Nominal		
	Role	Input		
Valid Values	-1	Unreported	16	6.0%
	0	0 - 2.5 million	91	34.3%
	1	2.6 million - 5 million	56	21.1%
	2	Over 5 million	102	38.5%

YearGroup				
		Value	Count	Percent
Standard Attributes	Position	14		
	Label	Age recoded into subgroups		
	Type	Numeric		
	Format	F8		
	Measurement	Nominal		
	Role	Input		
Valid Values	-1	Unreported	18	6.8%
	1	18-30	28	10.6%
	2	31-43	118	44.5%
	3	44-56	68	25.7%
	4	57+	27	10.2%
Missing Values	System		6	2.3%

new_old_ToREDCAPdatabase				
		Value	Count	Percent
Standard Attributes	Position	15		
	Label	A binary variable indicating whether the farm was new or already familiar with the RedCap database at the time of the study		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	New	209	78.9%
	2	Old	56	21.1%

Fish tons			
	Value	Count	Percent

Standard Attributes	Position	16		
	Label	Original quantity of fish in tons produced annually		
	Type	Numeric		
	Format	F2		
	Measurement	Ordinal		
	Role	Input		
Valid Values	1	0-5	7	2.6%
	2	6-10	3	1.1%
	3	11-15	4	1.5%
	4	15+	41	15.5%
Missing Values	-10	Unknown Fish tons	0	0.0%
	System		210	79.2%

Revenue				
		Value	Count	Percent
Standard Attributes	Position	17		
	Label	Original yearly revenue		
	Type	Numeric		
	Format	F2		

	Measurement	Ordinal		
	Role	Input		
Valid Values	1	0-100 million	45	17.0%
	2	100-200 million	7	2.6%
	3	200-400 million	2	0.8%
	4	400-600 million	1	0.4%
	5	600-800 million	0	0.0%
	6	800 million-1 billion	0	0.0%
	7	1 billion -1.5 billion	0	0.0%
	8	1.5 billion - 2 billion	0	0.0%
	9	More than 2 billion	0	0.0%
Missing Values	-11	Unknown Revenue	0	0.0%
	System		210	79.2%

f_date				
		Value	Count	Percent
Standard Attributes	Position	18		
	Label	<none>		
	Type	Numeric		
	Format	F10		
	Measurement	Scale		
	Role	Input		
N	Valid	247		
	Missing	18		
Central Tendency and Dispersion	Mean	44700.09		
	Standard Deviation	113.778		

	Percentile 25	44623.65		
	Percentile 50	44694.65		
	Percentile 75	44824.57		
Labeled Values	-10	Unknown	0	0.0%

Valuechain				
		Value	Count	Percent
Standard Attributes	Position	19		
	Label	The value chain the project is a part of		
	Type	String		
	Format	A21		
	Measurement	Nominal		
	Role	Input		
Valid Values			234	88.3%
	feedmill and grow out		1	0.4%
	fingerlings		11	4.2%
	fish feed (trader)		1	0.4%
	Fish feedmiller		2	0.8%
	Fish processing		1	0.4%
	hatchery		3	1.1%
	input (hatchery)		4	1.5%
	Input (hatchery)		1	0.4%
	Input (Hatchery)		2	0.8%

	Processor		5	1.9%

project_name		
		Value
Standard Attributes	Position	20
	Label	The name of the project
	Type	String
	Format	A208
	Measurement	Nominal
	Role	Input

p oject_desc		
		Value
Standard Attributes	Position	21
	Label	A brief description of the project
	Type	String
	Format	A1702
	Measurement	Nominal
	Role	Input

project_intention___1				
		Value	Count	Percent
Standard Attributes	Position	22		
	Label	Variables indicating the project's intention 1 (e.g., reducing energy costs, improving water quality). It was a list of options farmers had to select from		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	0		157	59.2%
	1		101	38.1%
Missing Values	System		7	2.6%

project_intention___2				
		Value	Count	Percent
Standard Attributes	Position	23		
	Label	Project intention 2		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	0		198	74.7%
	1		62	23.4%
Missing Values	System		5	1.9%

project_intention___3				
		Value	Count	Percent
Standard Attributes	Position	24		
	Label	Project intention 3		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	0		236	89.1%
	1		22	8.3%
Missing Values	System		7	2.6%

project_intention___4				
		Value	Count	Percent
	Position	25		

Standard Attributes	Label	Project intention 4		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	0		239	90.2%
	1		19	7.2%
Missing Values	System		7	2.6%

project_intention___5				
		Value	Count	Percent
Standard Attributes	Position	26		
	Label	Project intention 5		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	0		199	75.1%
	1		59	22.3%
Missing Values	System		7	2.6%

project_intention___6				
		Value	Count	Percent
Standard Attributes	Position	27		
	Label	Project intention 6		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		

Valid Values	0		219	82.6%
	1		39	14.7%
Missing Values	System		7	2.6%

project_intention___7				
		Value	Count	Percent
Standard Attributes	Position	28		
	Label	Project intention 7		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	0		244	92.1%
	1		16	6.0%
Missing Values	System		5	1.9%

project_intention___8				
		Value	Count	Percent
Standard Attributes	Position	29		
	Label	Project intention 8		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	0		249	94.0%
	1		10	3.8%
Missing Values	System		6	2.3%

project_intention___9

		Value	Count	Percent
Standard Attributes	Position	30		
	Label	Project intention 9		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	0		251	94.7%
	1		8	3.0%
Missing Values	System		6	2.3%

project_intention___10				
		Value	Count	Percent
Standard Attributes	Position	31		
	Label	Project intention 10		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	0		146	55.1%
	1		113	42.6%
Missing	System		6	2.3%

		Value	Count	Percent
Standard Attributes	Position	32		
	Label	A text field for other project intentions not listed above		
	Type	String		
	Format	A215		
	Measurement	Nominal		
	Role	Input		
Valid Values			152	57.4%
	Amount of bags of feed ingredients in waste		1	0.4%
	Amount of space		6	2.3%
	Amount of space %		1	0.4%
	Amount of space in square meter		1	0.4%
	Amount of space in square meter and Reduce labour time in minutes		1	0.4%
	Amount of space in square meters		8	3.0%
	Amount of space in squaremeter		1	0.4%
	Amount of space in Squaremeters		1	0.4%
	Amount of space used		1	0.4%
	Amount used to reprocess in Naira		1	0.4%
	Cost and time for feeding in minutes		1	0.4%
	Cost of draining in Naira		1	0.4%
	Cost of energy used in naira for a week		1	0.4%
	Defects/ rework in (%)		1	0.4%

	Disease occurrence in percent	1	0.4%
	Diseases occurrence	1	0.4%

pro_other

	Reduction in amount of herbicides used in Naira		1	0.4%
	REDUCTION IN FEEDING TIME.		1	0.4%
	Reduction in number of pumping machine		1	0.4%
	Reduction in the cost of labour		1	0.4%
	Reduction in time of pumping water per day in seconds		1	0.4%
	Reduction of feed waste as a result of poor storage		1	0.4%
	Reduction of fish mortality as a result of predators		1	0.4%
	Time in pumping water in seconds		1	0.4%
	Time of feeding in seconds		1	0.4%
	Time per feeding and Labour		1	0.4%
	TOTAL NUMBER OF STEPS TAKEN .		1	0.4%
	Walking area for feeding fish (%)		1	0.4%
	Waste in over feeding in kg		1	0.4%
	WATER VOLUME (Litres)		1	0.4%

inventory_units

		Value	Count	Percent
Standard Attributes	Position	33		
	Label	The units used to measure inventory.		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Kilograms	4	1.5%
	2	Units	4	1.5%
	3	Boxes	1	0.4%
	4	Bags	11	4.2%
Missing Values	System		245	92.5%

b_inventory				
		Value	Count	Percent
Standard Attributes	Position	34		

	Label	The beginning inventory before the interventio n		
	Type	Numeric		
	Format	F5.2		
	Measurement	Scale		
	Role	Input		
N	Valid	23		
	Missing	242		
Central Tendency and Dispersion	Mean	148.5843		
	Standard Deviation	252.62634		
	Percentile 25	2.0000		
	Percentile 50	56.0000		
	Percentile 75	120.0000		
Labeled Values	-15.00	Unknown pre-interv. inventory	0	0.0%

end_inventory				
		Value	Count	Percen t
Standard Attributes	Position	35		
	Label	The ending inventory after the interventio n		
	Type	Numeric		
	Format	F5.2		
	Measurement	Scale		
	Role	Input		

N	Valid	23		
	Missing	242		
Central Tendency and Dispersion	Mean	220.7661		
	Standard Deviation	421.43154		
	Percentile 25	10.0000		
	Percentile 50	70.0000		
	Percentile 75	250.0000		
Labeled Values	-16.00	Unknown post-interv. inventory	0	0.0%

waste_units				
		Value	Count	Percent
Standard Attributes	Position	36		
	Label	The units used to measure time wasted		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	1	Meters	0	0.0%
	2	Kilometers	0	0.0%
	3	Seconds	104	39.2%
Missing Values	System		161	60.8%

b_waste				
		Value	Count	Percent
Standard Attributes	Position	37		
	Label	The beginning time wasted before the interventio n		
	Type	Numeric		
	Format	F8.2		
	Measurement	Scale		
	Role	Input		
N	Valid	103		
	Missing	162		
Central Tendency and Dispersion	Mean	56391.1332		
	Standard Deviation	371624.300 91		
	Percentile 25	245.0000		
	Percentile 50	1200.0000		
	Percentile 75	4200.0000		
Labeled Values	-17.00	Unknown pre-interv. waste	0	0.0%

end_waste				
		Value	Count	Percent
Standard Attributes	Position	38		
	Label	Time wasted after the interventio n		
	Type	Numeric		
	Format	F8		
	Measurement	Scale		
	Role	Input		
N	Valid	103		
	Missing	162		
Central Tendency and Dispersion	Mean	30322.90		
	Standard Deviation	241609.266		
	Percentile 25	30.00		
	Percentile 50	240.00		
	Percentile 75	1200.00		
Labeled Values	-18	Unreported	0	0.0%

b_mortality				
		Value	Count	Percen t
Standard Attributes	Position	39		

	Label	The beginning mortality rate		
	Type	Numeric		
	Format	F5.2		
	Measurement	Scale		
	Role	Input		
N	Valid	65		
	Missing	200		
Central Tendency and Dispersion	Mean	32.8675		
	Standard Deviation	32.07597		
	Percentile 25	4.0000		
	Percentile 50	25.0000		
	Percentile 75	57.8300		
Labeled Values	-13.00	Unknown pre-intervention mortality	0	0.0%

end_mortality				
		Value	Count	Percent
Standard Attributes	Position	40		
	Label	Mortality after the intervention		
	Type	Numeric		
	Format	F5.2		
	Measurement	Scale		
	Role	Input		
N	Valid	65		
	Missing	200		
	Mean	6.7105		

Central Tendency and Dispersion	Standard Deviation	11.92468		
	Percentile 25	.1000		
	Percentile 50	1.5000		
	Percentile 75	5.0000		
Labeled Values	-14.00	Unknown post-interv moratality	0	0.0%

energy_Unit				
		Value	Count	Percent
Standard Attributes	Position	41		
	Label	The units used to measure energy consumption		
	Type	String		
	Format	A16		
	Measurement	Nominal		
	Role	Input		
Valid Values			209	78.9%
	1	Liters	0	0.0%
	2	Watts	0	0.0%
	3	Naira	0	0.0%
	Litres		56	21.1%

b_energy				
		Value	Count	Percent
Standard Attributes	Position	42		
	Label	Energy usage before the intervention		
	Type	Numeric		
	Format	F6.2		
	Measurement	Scale		
	Role	Input		
N	Valid	55		
	Missing	210		
Central Tendency and Dispersion	Mean	218.6558		
	Standard Deviation	549.22849		
	Percentile 25	27.3000		
	Percentile 50	80.0000		
	Percentile 75	180.0000		
Labeled Values	-3.00	Unknown	0	0.0%

end_energy				
		Value	Count	Percent
Standard Attributes	Position	43		
	Label	Energy consumption after the intervention		
	Type	Numeric		
	Format	F6.3		
	Measurement	Scale		
	Role	Input		
N	Valid	56		
	Missing	209		
Central Tendency and Dispersion	Mean	105.17545		
	Standard Deviation	280.305260		
	Percentile 25	9.55000		
	Percentile 50	36.50000		
	Percentile 75	90.00000		
Labeled Values	-3.000	Unknown	0	0.0%

b_feedingcost		
		Value
Standard Attributes	Position	44

	Label	The beginning feeding cost
	Type	Numeric
	Format	F9.1
	Measurement	Scale
	Role	Input
N	Valid	36
	Missing	229
Central Tendency and Dispersion	Mean	844802.153
	Standard Deviation	2090410.4668
	Percentile 25	57500.000
	Percentile 50	220000.000
	Percentile 75	675000.000

end_feedingcost		
		Value
Standard Attributes	Position	45
	Label	The ending feeding cost.
	Type	Numeric
	Format	F8.1
	Measurement	Scale
	Role	Input
N	Valid	37
	Missing	228
Central Tendency and Dispersion	Mean	505367.932
	Standard Deviation	909120.5611
	Percentile 25	37300.000
	Percentile 50	142500.000
	Percentile 75	570000.000

unitday		
		Value
Standard Attributes	Position	46
	Label	Duration of the purchased feed in days
	Type	Numeric
	Format	F3
	Measurement	Scale
	Role	Input

N	Valid	23
	Missing	242
Central Tendency and Dispersion	Mean	22.30
	Standard Deviation	12.360
	Percentile 25	14.00
	Percentile 50	30.00
	Percentile 75	30.00

b_space		
		Value
Standard Attributes	Position	47
	Label	Inventory space as a proportion of total space before the intervention
	Type	Numeric
	Format	F6.3
	Measurement	Scale
	Role	Input
N	Valid	24
	Missing	241
Central Tendency and Dispersion	Mean	41.04833
	Standard Deviation	37.679873
	Percentile 25	6.75000
	Percentile 50	33.37500
	Percentile 75	82.50000

end_space		
		Value
Standard Attributes	Position	48
	Label	Inventory space as a proportion of total space after the intervention
	Type	Numeric
	Format	F5.3
	Measurement	Scale
	Role	Input
N	Valid	24
	Missing	241
Central Tendency and Dispersion	Mean	12.94188
	Standard Deviation	23.570498
	Percentile 25	.21000

	Percentile 50	2.11500
	Percentile 75	12.80000

b_laborcost		
		Value
Standard Attributes	Position	49
	Label	Casual Labor cost_before
	Type	Numeric
	Format	F7
	Measurement	Scale
	Role	Input
N	Valid	24
	Missing	241
Central Tendency and Dispersion	Mean	47737.50
	Standard Deviation	98336.445
	Percentile 25	13500.00
	Percentile 50	30000.00
	Percentile 75	36500.00

end_laborcost		
		Value
Standard Attributes	Position	50
	Label	Casual Labor cost after the intervention
	Type	Numeric
	Format	F7
	Measurement	Scale
	Role	Input
N	Valid	22
	Missing	243
Central Tendency and Dispersion	Mean	29495.45
	Standard Deviation	83363.750
	Percentile 25	3000.00
	Percentile 50	15000.00
	Percentile 75	15000.00

b_laborers		
		Value
Standard Attributes	Position	51

	Label	Number of casual laborers before the intervention
	Type	Numeric
	Format	F3
	Measurement	Scale
	Role	Input
N	Valid	21
	Missing	244
Central Tendency and Dispersion	Mean	5.05
	Standard Deviation	10.874
	Percentile 25	2.00
	Percentile 50	2.00
	Percentile 75	3.00

end_laborers		
		Value
Standard Attributes	Position	52
	Label	Number of casual laborers after the intervention
	Type	Numeric
	Format	F3
	Measurement	Scale
	Role	Input
N	Valid	21
	Missing	244
Central Tendency and Dispersion	Mean	3.05
	Standard Deviation	8.726
	Percentile 25	1.00
	Percentile 50	1.00
	Percentile 75	2.00

b_med		
		Value
Standard Attributes	Position	53
	Label	The beginning medication cost.
	Type	Numeric
	Format	F7
	Measurement	Scale

	Role	Input
N	Valid	21
	Missing	244
Central Tendency and Dispersion	Mean	24099.52
	Standard Deviation	45490.527
	Percentile 25	8000.00
	Percentile 50	10000.00
	Percentile 75	15000.00

end_med		
		Value
Standard Attributes	Position	54
	Label	The ending medication cost.
	Type	Numeric
	Format	F7
	Measurement	Scale
	Role	Input
N	Valid	21
	Missing	244
Central Tendency and Dispersion	Mean	12277.14
	Standard Deviation	43212.001
	Percentile 25	1000.00
	Percentile 50	2500.00
	Percentile 75	5000.00

quan ity_duration_days_kg		
		Value
Standard Attributes	Position	55
	Label	A text field for information on quantity and duration of fish production.
	Type	Numeric
	Format	F4
	Measurement	Scale
	Role	Input
N	Valid	14
	Missing	251
Central Tendency and Dispersion	Mean	21.36

	Standard Deviation	31.023
	Percentile 25	1.00
	Percentile 50	10.50
	Percentile 75	30.00

b_feedquant		
		Value
Standard Attributes	Position	56
	Label	The beginning feed quantity.
	Type	Numeric
	Format	F6.1
	Measurement	Scale
	Role	Input
N	Valid	14
	Missing	251
Central Tendency and Dispersion	Mean	1932.321
	Standard Deviation	2664.2239
	Percentile 25	400.000
	Percentile 50	1400.000
	Percentile 75	2100.000

end_feedquant		
		Value
Standard Attributes	Position	57
	Label	The ending feed quantity.
	Type	Numeric
	Format	F5
	Measurement	Scale
	Role	Input
N	Valid	12
	Missing	253
Central Tendency and Dispersion	Mean	1425.00
	Standard Deviation	1864.531
	Percentile 25	545.00
	Percentile 50	975.00
	Percentile 75	1402.50

b_labortime		
		Value
Standard Attributes	Position	58
	Label	The beginning casual labor time.
	Type	Numeric
	Format	F6.1
	Measurement	Scale
	Role	Input
N	Valid	13
	Missing	252
Central Tendency and Dispersion	Mean	13233.077
	Standard Deviation	14611.6078
	Percentile 25	3600.000
	Percentile 50	4968.000
	Percentile 75	22140.000

end_labortime		
		Value
Standard Attributes	Position	59
	Label	The ending casual labor time
	Type	Numeric
	Format	F6.2
	Measurement	Scale
	Role	Input
N	Valid	14
	Missing	251
Central Tendency and Dispersion	Mean	6823.7143
	Standard Deviation	7235.11569
	Percentile 25	900.0000
	Percentile 50	3870.0000
	Percentile 75	14400.0000

b_water		
		Value
Standard Attributes	Position	60
	Label	Water treatment costs before the intervention

	Type	Numeric
	Format	F6
	Measurement	Scale
	Role	Input
N	Valid	12
	Missing	253
Central Tendency and Dispersion	Mean	18570.92
	Standard Deviation	26139.096
	Percentile 25	3250.00
	Percentile 50	9250.00
	Percentile 75	17500.00

end_water		
		Value
Standard Attributes	Position	61
	Label	Water treatment costs after the intervention
	Type	Numeric
	Format	F6
	Measurement	Scale
	Role	Input
N	Valid	12
	Missing	253
Central Tendency and Dispersion	Mean	8883.33
	Standard Deviation	21013.192
	Percentile 25	1100.00
	Percentile 50	2400.00
	Percentile 75	5400.00

b_flood		
		Value
Standard Attributes	Position	62
	Label	Fish lost via pond overflow due to flooding before the intervention
	Type	Numeric
	Format	F6.1
	Measurement	Scale
	Role	Input

N	Valid	8
	Missing	257
Central Tendency and Dispersion	Mean	5133.412
	Standard Deviation	5442.9857
	Percentile 25	1216.650
	Percentile 50	3425.000
	Percentile 75	7862.000

end_flood		
		Value
Standard Attributes	Position	63
	Label	Fish lost via pond overflow due to flooding after the intervention
	Type	Numeric
	Format	F5
	Measurement	Scale
	Role	Input
N	Valid	8
	Missing	257
Central Tendency and Dispersion	Mean	921.25
	Standard Deviation	1501.679
	Percentile 25	.00
	Percentile 50	.00
	Percentile 75	1810.00

b_transport		
		Value
Standard Attributes	Position	64
	Label	Transportation costs before the intervention
	Type	Numeric
	Format	F5
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	260
Central Tendency and Dispersion	Mean	3830.00
	Standard Deviation	1579.399

	Percentile 25	2750.00
	Percentile 50	3000.00
	Percentile 75	5000.00

end_transport		
		Value
Standard Attributes	Position	65
	Label	Transportation costs after the intervention
	Type	Numeric
	Format	F5
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	260
Central Tendency and Dispersion	Mean	600.00
	Standard Deviation	821.584
	Percentile 25	.00
	Percentile 50	.00
	Percentile 75	1500.00

b_maintanace		
		Value
Standard Attributes	Position	66
	Label	Farm maintenance costs before the intervention
	Type	Numeric
	Format	F7
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	260
Central Tendency and Dispersion	Mean	75800.00
	Standard Deviation	147728.467
	Percentile 25	9000.00
	Percentile 50	9000.00
	Percentile 75	15000.00

end_maintanace

		Value
Standard Attributes	Position	67
	Label	Maintenance costs after the intervention
	Type	Numeric
	Format	F7
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	260
Central Tendency and Dispersion	Mean	35200.00
	Standard Deviation	72582.367
	Percentile 25	3000.00
	Percentile 50	3000.00
	Percentile 75	5000.00

duration_days		
		Value
Standard Attributes	Position	68
	Label	Days to see reduction
	Type	Numeric
	Format	F2
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	260
Central Tendency and Dispersion	Mean	1.60
	Standard Deviation	1.342
	Percentile 25	1.00
	Percentile 50	1.00
	Percentile 75	1.00

b_waste_overprod				
		Value	Count	Percent
Standard Attributes	Position	69		
	Label	The beginning waste overproduction .		
	Type	Numeric		

	Format	F6.1		
	Measurement	Scale		
	Role	Input		
N	Valid	21		
	Missing	244		
Central Tendency and Dispersion	Mean	2075.943		
	Standard Deviation	3365.6322		
	Percentile 25	30.000		
	Percentile 50	75.000		
	Percentile 75	3000.000		
Labeled Values	-19.0	Unreported	0	0.0%

end_waste_overprod				
		Value	Count	Percent
Standard Attributes	Position	70		
	Label	The ending waste overproduction.		
	Type	Numeric		
	Format	F5.1		
	Measurement	Scale		
	Role	Input		
N	Valid	20		
	Missing	245		
Central Tendency and Dispersion	Mean	1265.490		
	Standard Deviation	2001.5376		
	Percentile 25	8.500		
	Percentile 50	27.400		
	Percentile 75	2250.000		
Labeled Values	-20.0	Unknown	0	0.0%

Durationindays				
		Value	Count	Percent
Standard Attributes	Position	71		
	Label	Duration in days		
	Type	Numeric		
	Format	F4		
	Measurement	Scale		
	Role	Input		

N	Valid	56		
	Missing	209		
Central Tendency and Dispersion	Mean	16.14		
	Standard Deviation	25.250		
	Percentile 25	2.00		
	Percentile 50	7.00		
	Percentile 75	30.00		
Labeled Values	-2	Unknown	0	0.0%

b_pumping_tmie				
		Value	Count	Percent
Standard Attributes	Position	72		
	Label	Time for pumping water before the intervention		
	Type	Numeric		
	Format	F7		
	Measurement	Scale		
	Role	Input		
N	Valid	3		
	Missing	262		
Central Tendency and Dispersion	Mean	188402.33		
	Standard Deviation	295687.607		
	Percentile 25	7.00		
	Percentile 50	36000.00		
	Percentile 75	529200.00		
Labeled Values	-21	Missing	0	0.0%

end_pumping_time		
		Value
Standard Attributes	Position	73
	Label	Time for pumping after the intervention
	Type	Numeric
	Format	F7
	Measurement	Scale
	Role	Input
N	Valid	3
	Missing	262

Central Tendency and Dispersion	Mean	60001.00
	Standard Deviation	80282.377
	Percentile 25	3.00
	Percentile 50	28800.00
	Percentile 75	151200.00

reduce_costs_units				
		Value	Count	Percent
Standard Attributes	Position	74		
	Label	Units of costs to reduce		
	Type	String		
	Format	A5		
	Measurement	Nominal		
	Role	Input		
Valid Values			233	87.9%
	1	Kilograms	0	0.0%
	2	Naira	1	0.4%
	Naira		31	11.7%

du ·ation_reduce_days		
		Value
Standard Attributes	Position	75
	Label	Days to it took to witness the reported reduction
	Type	Numeric
	Format	F4

	Measurement	Scale
	Role	Input
N	Valid	32
	Missing	233
Central Tendency and Dispersion	Mean	29.78
	Standard Deviation	56.974
	Percentile 25	7.00
	Percentile 50	14.50
	Percentile 75	30.00

b_percent_flood		
		Value
Standard Attributes	Position	76
	Label	Quantity of fish lost due to flooding as a percentage before the intervention
	Type	Numeric
	Format	F4.1
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	260
Central Tendency and Dispersion	Mean	50.660
	Standard Deviation	30.5152
	Percentile 25	25.000
	Percentile 50	50.000
	Percentile 75	63.300

end_percent_flood		
		Value
Standard Attributes	Position	77
	Label	Quantity of fish lost due to flooding as a percentage after the intervention
	Type	Numeric
	Format	F4.1
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	260
Central Tendency and Dispersion	Mean	13.640

	Standard Deviation	21.8002
	Percentile 25	.000
	Percentile 50	.000
	Percentile 75	18.200

Unit				
		Value	Count	Percent
Standard Attributes	Position	78		
	Label	Units		
	Type	String		
	Format	A7		
	Measurement	Nominal		
	Role	Input		
Valid Values			258	97.4%
	Sec/day		1	0.4%
	seconds		6	2.3%

imprvd_Prductn_capcity_before		
		Value
Standard Attributes	Position	79
	Label	improvement in production capacity before the intervention
	Type	Numeric
	Format	F5
	Measurement	Scale
	Role	Input
N	Valid	2
	Missing	263
Central Tendency and Dispersion	Mean	1900.00
	Standard Deviation	1131.371
	Percentile 25	1100.00
	Percentile 50	1900.00
	Percentile 75	2700.00

unit_A			
	Value	Count	Percent

Standard Attributes	Position	80		
	Label	Unit of measure of production improvement		
	Type	String		
	Format	A2		
	Measurement	Nominal		
	Role	Input		
Valid Values			264	99.6%
	kg		1	0.4%

imprvd_Prductn_capcity_end		
		Value
Standard Attributes	Position	81
	Label	Improvement in production capacity after the intervention
	Type	Numeric
	Format	F5
	Measurement	Scale
	Role	Input
N	Valid	1
	Missing	264
Central Tendency and Dispersion	Mean	1600.00
	Standard Deviation	.
	Percentile 25	1600.00
	Percentile 50	1600.00
	Percentile 75	1600.00

›_other_feedlose		
		Value
Standard Attributes	Position	82
	Label	Quantity of feed lost before the intervention
	Type	Numeric
	Format	F5.2
	Measurement	Scale
	Role	Input
N	Valid	7
	Missing	258

Central Tendency and Dispersion	Mean	52.7443
	Standard Deviation	67.02791
	Percentile 25	5.0000
	Percentile 50	38.0000
	Percentile 75	45.0000

end_others_feedlose		
		Value
Standard Attributes	Position	83
	Label	Feed lost after the intervention
	Type	Numeric
	Format	F4.1
	Measurement	Scale
	Role	Input
N	Valid	7
	Missing	258
Central Tendency and Dispersion	Mean	11.243
	Standard Deviation	12.6166
	Percentile 25	.000
	Percentile 50	5.000
	Percentile 75	20.000

Otherspecify2				
		Value	Count	Percent
Standard Attributes	Position	84		
	Label	Other reasons for implementing the project (specified by the farmer)		
	Type	String		
	Format	A28		
	Measurement	Nominal		
	Role	Input		
Valid Values			264	99.6%
	Downtime in equipment repair		1	0.4%

Unit_B

		Value	Count	Percent
Standard Attributes	Position	85		
	Label	Unit		
	Type	String		
	Format	A4		
	Measurement	Nominal		
	Role	Input		
Valid Values			264	99.6%
	Days		1	0.4%

Before		
		Value
Standard Attributes	Position	86
	Label	<none>
	Type	Numeric
	Format	F2
	Measurement	Scale
	Role	Input
N	Valid	1
	Missing	264
Central Tendency and Dispersion	Mean	4.00
	Standard Deviation	.
	Percentile 25	4.00
	Percentile 50	4.00
	Percentile 75	4.00

After		
		Value
Standard Attributes	Position	87
	Label	<none>
	Type	Numeric
	Format	F2
	Measurement	Scale
	Role	Input

N	Valid	1
	Missing	264
Central Tendency and Dispersion	Mean	2.00
	Standard Deviation	.
	Percentile 25	2.00
	Percentile 50	2.00
	Percentile 75	2.00

b_improved_yield_kg		
		Value
Standard Attributes	Position	88
	Label	yield before the intervention
	Type	Numeric
	Format	F5
	Measurement	Scale
	Role	Input
N	Valid	4
	Missing	261
Central Tendency and Dispersion	Mean	2832.50
	Standard Deviation	3530.754
	Percentile 25	765.00
	Percentile 50	1650.00
	Percentile 75	4900.00

end_improved_yield_kg		
		Value
Standard Attributes	Position	89
	Label	Improvement in yield after the intervention
	Type	Numeric
	Format	F6
	Measurement	Scale
	Role	Input
N	Valid	4
	Missing	261
Central Tendency and Dispersion	Mean	4093.75
	Standard Deviation	5361.917
	Percentile 25	987.50
	Percentile 50	2137.50
	Percentile 75	7200.00

b_improved_yield_Naira		
		Value
Standard Attributes	Position	90
	Label	<none>
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	3
	Missing	262
Central Tendency and Dispersion	Mean	1376666.67
	Standard Deviation	527857.304
	Percentile 25	1000000.00
	Percentile 50	1150000.00
	Percentile 75	1980000.00

end_improved_yield_Naira		
		Value
Standard Attributes	Position	91
	Label	<none>
	Type	Numeric
	Format	F9
	Measurement	Scale
	Role	Input
N	Valid	3
	Missing	262
Central Tendency and Dispersion	Mean	7350000.00
	Standard Deviation	6683943.447
	Percentile 25	2640000.00
	Percentile 50	4410000.00
	Percentile 75	15000000.00

b_diseases_occurence		
		Value
Standard Attributes	Position	92

	Label	Cases of disease before the intervention
	Type	Numeric
	Format	F2
	Measurement	Scale
	Role	Input
N	Valid	1
	Missing	264
Central Tendency and Dispersion	Mean	3.00
	Standard Deviation	.
	Percentile 25	3.00
	Percentile 50	3.00
	Percentile 75	3.00

end_diseases_occurence		
		Value
Standard Attributes	Position	93
	Label	Cases of disease after the intervention
	Type	Numeric
	Format	F2
	Measurement	Scale
	Role	Input
N	Valid	1
	Missing	264
Central Tendency and Dispersion	Mean	.00
	Standard Deviation	.
	Percentile 25	.00
	Percentile 50	.00
	Percentile 75	.00

b_improved_quality_kg		
		Value
Standard Attributes	Position	94
	Label	Fish quality before the intervention
	Type	Numeric
	Format	F4
	Measurement	Scale

	Role	Input
N	Valid	6
	Missing	259
Central Tendency and Dispersion	Mean	180.83
	Standard Deviation	352.341
	Percentile 25	35.00
	Percentile 50	40.00
	Percentile 75	40.00

end_improved_quality_kg		
		Value
Standard Attributes	Position	95
	Label	Fish quality after the intervention
	Type	Numeric
	Format	F5
	Measurement	Scale
	Role	Input
N	Valid	6
	Missing	259
Central Tendency and Dispersion	Mean	603.33
	Standard Deviation	1273.121
	Percentile 25	60.00
	Percentile 50	97.50
	Percentile 75	160.00

b_record_keeping_improvement		
		Value
Standard Attributes	Position	96
	Label	Number of records kept before the intervention
	Type	Numeric
	Format	F3
	Measurement	Scale
	Role	Input
N	Valid	6
	Missing	259
Central Tendency and Dispersion	Mean	4.17
	Standard Deviation	8.010
	Percentile 25	.00

	Percentile 50	.00
	Percentile 75	5.00

end_record_keeping_improvement		
		Value
Standard Attributes	Position	97
	Label	Records kept after the interventio n
	Type	Numeric
	Format	F3
	Measurement	Scale
	Role	Input
N	Valid	6
	Missing	259
Central Tendency and Dispersion	Mean	76.50
	Standard Deviation	13.472
	Percentile 25	80.00
	Percentile 50	80.00
	Percentile 75	80.00

b_improvement_water_quality_percent		
		Value
Standard Attributes	Position	98
	Label	Water quality before the intervention
	Type	Numeric
	Format	F3
	Measurement	Scale
	Role	Input
N	Valid	2
	Missing	263
Central Tendency and Dispersion	Mean	30.00
	Standard Deviation	14.142
	Percentile 25	20.00
	Percentile 50	30.00
	Percentile 75	40.00

end_improvement_water_quality_percent		
		Value
Standard Attributes	Position	99
	Label	Water quality after the intervention
	Type	Numeric
	Format	F3
	Measurement	Scale
	Role	Input
N	Valid	2
	Missing	263
Central Tendency and Dispersion	Mean	67.50
	Standard Deviation	24.749
	Percentile 25	50.00
	Percentile 50	67.50
	Percentile 75	85.00

b_p ond_tagging_percent		
		Value
Standard Attributes	Position	100
	Label	Pond tagging before the intervention
	Type	Numeric
	Format	F2
	Measurement	Scale
	Role	Input
N	Valid	1
	Missing	264
Central Tendency and Dispersion	Mean	.00
	Standard Deviation	.
	Percentile 25	.00
	Percentile 50	.00
	Percentile 75	.00

end_pond_tagging_percent		
		Value
Standard Attributes	Position	101
	Label	Pond tagging after the intervention
	Type	Numeric
	Format	F4

	Measurement	Scale
	Role	Input
N	Valid	1
	Missing	264
Central Tendency and Dispersion	Mean	100.00
	Standard Deviation	.
	Percentile 25	100.00
	Percentile 50	100.00
	Percentile 75	100.00

B_water_quality_percent		
		Value
Standard Attributes	Position	102
	Label	<none>
	Type	Numeric
	Format	F3
	Measurement	Scale
	Role	Input
N	Valid	1
	Missing	264
Central Tendency and Dispersion	Mean	50.00
	Standard Deviation	.
	Percentile 25	50.00
	Percentile 50	50.00
	Percentile 75	50.00

End_water_quality_percent		
		Value
Standard Attributes	Position	103
	Label	<none>
	Type	Numeric
	Format	F3
	Measurement	Scale
	Role	Input
N	Valid	1
	Missing	264
Central Tendency and Dispersion	Mean	80.00
	Standard Deviation	.
	Percentile 25	80.00

	Percentile 50	80.00
	Percentile 75	80.00

project_start_date		
		Value
Standard Attributes	Position	104
	Label	Project start date
	Type	Numeric
	Format	DATE10
	Measurement	Scale
	Role	Input
N	Valid	242
	Missing	23
Central Tendency and Dispersion	Mean	30-JAN-22
	Standard Deviation	104 00:04:58.247
	Percentile 25	02-NOV-21
	Percentile 50	25-JAN-22
	Percentile 75	08-APR-22

project_end_date		
		Value
Standard Attributes	Position	105
	Label	Project end date
	Type	Numeric
	Format	DATE10
	Measurement	Scale
	Role	Input
N	Valid	241
	Missing	24
Central Tendency and Dispersion	Mean	01-MAR-22
	Standard Deviation	100 17:32:33.911
	Percentile 25	16-DEC-21
	Percentile 50	26-FEB-22
	Percentile 75	04-MAY-22

p_date		
		Value
Standard Attributes	Position	106
	Label	<none>
	Type	Numeric
	Format	DATETIME10
	Measurement	Scale
	Role	Input
N	Valid	242
	Missing	23
Central Tendency and Dispersion	Mean	19-MAY-22
	Standard Deviation	113 14:03:33.761
	Percentile 25	03-MAR-22
	Percentile 50	13-MAY-22
	Percentile 75	20-SEP-22

farm_information_complete				
		Value	Count	Percent
Standard Attributes	Position	107		
	Label	<none>		
	Type	Numeric		
	Format	F2		
	Measurement	Nominal		
	Role	Input		
Valid Values	0		10	3.8%
	1		1	0.4%
	2		226	85.3%
	3		1	0.4%
Missing Values	System		27	10.2%

AgeClass				
		Value	Count	Percent
Standard Attributes	Position	108		
	Label	AgeCategories		
	Type	Numeric		
	Format	F8.2		

	Measurement	Nominal		
	Role	Input		
Valid Values	1.00		81	30.6%
	2.00		103	38.9%
	3.00		17	6.4%
Missing Values	System		64	24.2%

Experience_yrs				
		Value	Count	Percent
Standard Attributes	Position	109		
	Label	Years_Experience broken into categories		
	Type	Numeric		
	Format	F8.2		
	Measurement	Nominal		
	Role	Input		
Valid Values	-102.00	Unknown	0	0.0%
	1.00	0-10	148	55.8%
	2.00	11-20	47	17.7%
	3.00	22-30	7	2.6%
	4.00	33-40	1	0.4%
Missing Values	System		62	23.4%

POND_SIZE_CAT				
		Value	Count	Percent
Standard Attributes	Position	110		
	Label	NEW_POND_SIZE		
	Type	Numeric		
	Format	F8.2		
	Measurement	Nominal		
	Role	Input		
Valid Values	.00		197	74.3%
	1.00		1	0.4%
Missing Values	System		67	25.3%

ProjectLengthInDays		
		Value
Standard Attributes	Position	111
	Label	Project duration in days
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	241
	Missing	24
Central Tendency and Dispersion	Mean	29.4025
	Standard Deviation	44.84194
	Percentile 25	4.0000
	Percentile 50	14.0000
	Percentile 75	30.0000

TimeWastedReduction		
		Value
Standard Attributes	Position	112
	Label	Post-intervention percentage reduction in wasted time
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	102
	Missing	163
Central Tendency and Dispersion	Mean	68.8437
	Standard Deviation	21.57972
	Percentile 25	55.5556
	Percentile 50	69.4034
	Percentile 75	85.7143

MortalityReduction		
		Value
Standard Attributes	Position	113
	Label	Post-intervention percentage reduction in fish mortality rate
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	65
	Missing	200
Central Tendency and Dispersion	Mean	84.8845
	Standard Deviation	14.79300
	Percentile 25	80.0000
	Percentile 50	88.8889
	Percentile 75	96.6667

EnergyReduction		
		Value
Standard Attributes	Position	114
	Label	Post-intervention percentage reduction in energy consumption
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	55
	Missing	210
Central Tendency and Dispersion	Mean	47.8420
	Standard Deviation	23.94448
	Percentile 25	30.0000
	Percentile 50	50.0000
	Percentile 75	65.0005

FeedingCostsReduction		
		Value
Standard Attributes	Position	115
	Label	Post-intervention percentage reduction in feeding costs

	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	36
	Missing	229
Central Tendency and Dispersion	Mean	27.1721
	Standard Deviation	18.27096
	Percentile 25	13.0580
	Percentile 50	25.0000
	Percentile 75	39.8519

LaborCostsReduction		
		Value
Standard Attributes	Position	116
	Label	Post-intervention percentage reduction in casual labor costs
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	22
	Missing	243
Central Tendency and Dispersion	Mean	55.7911
	Standard Deviation	25.89376
	Percentile 25	37.5000
	Percentile 50	50.0000
	Percentile 75	78.7879

InventorySpaceReduction		
		Value
Standard Attributes	Position	117
	Label	Post-intervention percentage reduction in the proportion of inventory space
	Type	Numeric
	Format	F8.3
	Measurement	Scale
	Role	Input
N	Valid	24
	Missing	241

Central Tendency and Dispersion	Mean	65.63726
	Standard Deviation	29.180001
	Percentile 25	41.63293
	Percentile 50	66.66667
	Percentile 75	95.93985

CasualLaborersReduction		
		Value
Standard Attributes	Position	118
	Label	Post-intervention percentage reduction in the number of casual laborers
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	21
	Missing	244
Central Tendency and Dispersion	Mean	53.3883
	Standard Deviation	21.12385
	Percentile 25	50.0000
	Percentile 50	50.0000
	Percentile 75	50.0000

MedicationCostsReduction		
		Value
Standard Attributes	Position	119
	Label	Post-intervention percentage reduction in medication costs
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	21
	Missing	244
Central Tendency and Dispersion	Mean	71.3239
	Standard Deviation	24.73429
	Percentile 25	62.9630
	Percentile 50	75.8621

	Percentile 75	86.6667

FeedQuantityReduction		
		Value
Standard Attributes	Position	120
	Label	Post-intervention percentage reduction in feed quantity
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	12
	Missing	253
Central Tendency and Dispersion	Mean	39.0774
	Standard Deviation	11.26416
	Percentile 25	33.3333
	Percentile 50	38.7500
	Percentile 75	40.0000

LaborTimeReduction		
		Value
Standard Attributes	Position	121
	Label	Post-intervention percentage reduction in casual labor time
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	13
	Missing	252
Central Tendency and Dispersion	Mean	48.1016
	Standard Deviation	24.67460
	Percentile 25	33.3333
	Percentile 50	46.4286
	Percentile 75	66.6667

WaterTreatmentCostsReduction		
		Value

Standard Attributes	Position	122
	Label	Post-intervention percentage reduction in water treatment costs
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	12
	Missing	253
Central Tendency and Dispersion	Mean	60.3428
	Standard Deviation	25.94116
	Percentile 25	39.6509
	Percentile 50	64.8571
	Percentile 75	75.8333

FishLossViaFloodingReduction		
		Value
Standard Attributes	Position	123
	Label	Post-intervention percentage reduction in the quantity of fish lost via flooding
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	8
	Missing	257
Central Tendency and Dispersion	Mean	84.7238
	Standard Deviation	25.10050
	Percentile 25	73.8953
	Percentile 50	100.0000
	Percentile 75	100.0000

TransportationCostsReduction		
		Value
Standard Attributes	Position	124

	Label	Post-intervention percentage reduction in transportation costs
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	260
Central Tendency and Dispersion	Mean	81.5000
	Standard Deviation	27.81636
	Percentile 25	70.0000
	Percentile 50	100.0000
	Percentile 75	100.0000

MaintenanceCostsReduction		
		Value
Standard Attributes	Position	125
	Label	Post-intervention percentage reduction in maintenance costs
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	5
	Missing	260
Central Tendency and Dispersion	Mean	70.2941
	Standard Deviation	17.86225
	Percentile 25	66.6667
	Percentile 50	66.6667
	Percentile 75	66.6667