AgeInStage

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Stage Duration_New Variance 1 2.699666 4.5885318 2 1.474724 0.7000867 3 1.646790 1.0651277 4 1.494651 0.7393301 X1 X2 Life Expectancy 4.062737 Life Exp Variance 5.865930 longevity 12.000000 X1 X2 Prob of reaching mat 0.0218669 Age at Mat 6.8211804 Generation Time 7.3827459			
2 1.474724 0.7000867 3 1.646790 1.0651277 4 1.494651 0.7393301 X1 X2 Life Expectancy 4.062737 Life Exp Variance 5.865930 longevity 12.000000 X1 X2 Prob of reaching mat 0.0218669 Age at Mat 0.8211804	Stage	Duration_Ne	w Variance
3 1.646790 1.0651277 4 1.494651 0.7393301 X1 X2 Life Expectancy 4.062737 Life Exp Variance 5.865930 longevity 12.000000 X1 X2 Prob of reaching mat 0.0218669 Age at Mat 0.68211804	1	2.69966	6 4.5885318
X1 X2 Life Expectancy 4.062737 Life Exp Variance longevity 5.865930 12.000000 X1 X2 Prob of reaching mat Age at Mat 0.0218669 6.8211804	2	1.47472	4 0.7000867
X1 X2 Life Expectancy 4.062737 Life Exp Variance 5.865930 longevity 12.000000 X1 X2 Prob of reaching mat 0.0218669 Age at Mat 0.8211804	3	1.64679	0 1.0651277
Life Expectancy 4.062737 Life Exp Variance 5.865930 longevity 12.000000 X1 X2 Prob of reaching mat 0.0218669 Age at Mat 6.8211804	4	1.49465	0.7393301
Life Expectancy 4.062737 Life Exp Variance 5.865930 longevity 12.000000 X1 X2 Prob of reaching mat 0.0218669 Age at Mat 6.8211804			
Life Exp Variance longevity 5.865930 12.000000 X1 X2 Prob of reaching mat Age at Mat 0.0218669 6.8211804	X1		X2
Name	Life Expectancy		4.062737
X1	Life Exp Variance		5.865930
Prob of reaching mat 0.0218669 Age at Mat 6.8211804	longevi	ty 1	2.000000
Prob of reaching mat 0.0218669 Age at Mat 6.8211804			
Age at Mat 6.8211804	X1		X2
8	Prob o	f reaching mat	0.0218669
Generation Time 7.3827459	Age at Mat		6.8211804
	Generation Time		7.3827459

Table 1: (ref:lifehistory)

Stage	Duration	Sources
Egg Larval 1: Immature 2: Incipient Maturity 3: Mature	20-35 days 28-56 days No existing estimate No existing estimate No existing estimate	Van Heukelem, 1987. Guard and Mgaya, 2003. Van Heukelem, 1987. Guard and Mgaya, 2003. Humber et al., 2006.
4: Fully Mature 5: Post Laying Post larval Phase (stage 1-5)	No existing estimate 45-61 days 9-18 months	Heukelem and Fred, 1976. Van Heukelem, 1987. Van Heukelem, 1987. Aina, 2019.