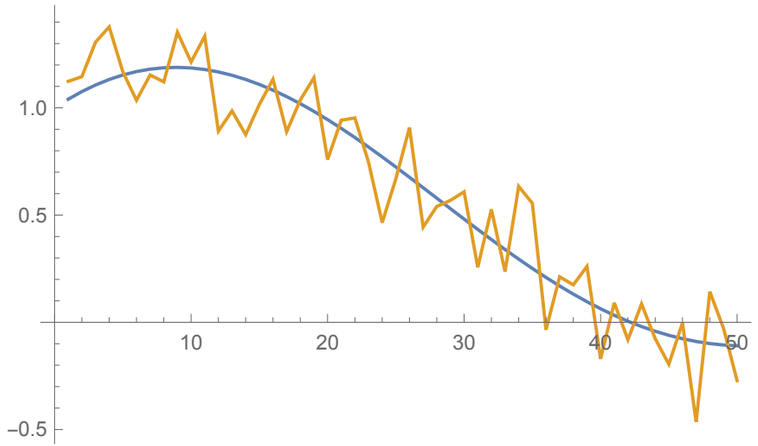
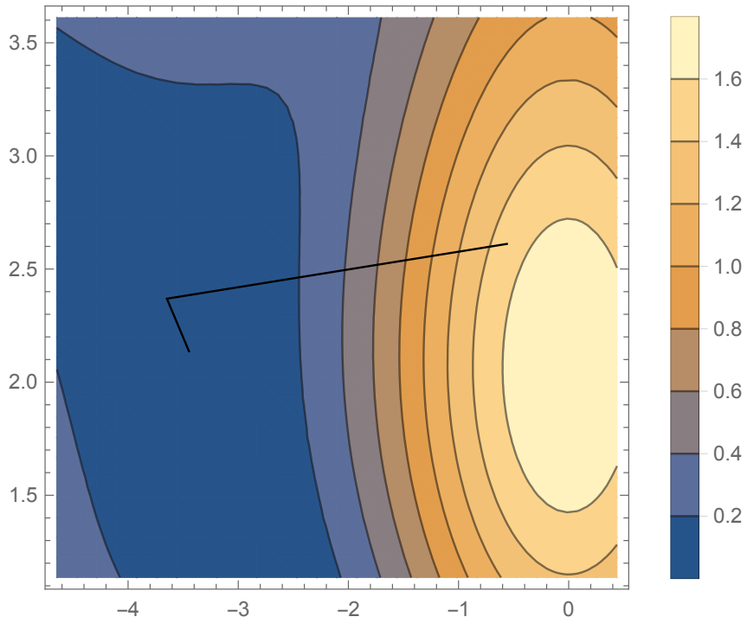
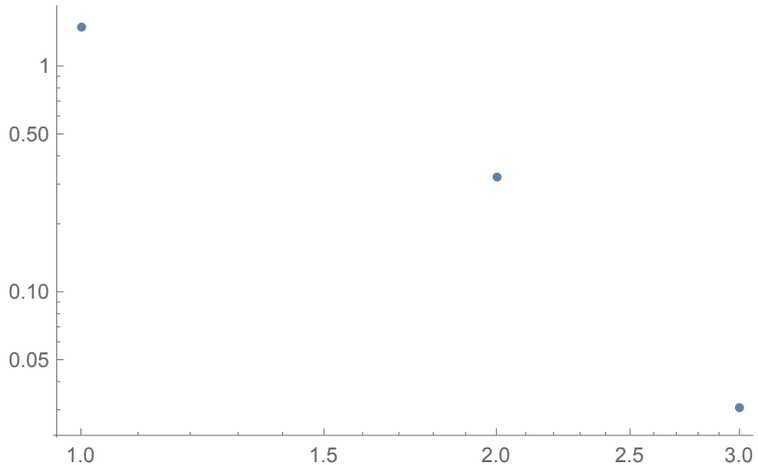
Out[786]=

Data vs Function	Parameter Space	Error over iterations
		
Parameters, dir, Delta	Iterations, corrections, α, β, LSTolerance, factor	
{-3.44733, 2.1368} {0.0153264, -0.017119} {0.015005, -0.0174062}	{2, 0} { , 13.3354, 0.00345051} {0.001, 0.01}	{0.168698, 2.49256}

Frequency indices: {1, 7, 13, 16, 19, 21}
Data frequencies: {0., 38.9557, 75.9009, 93.2425, 113.097, 126.166}
Not Normalized
TrueParams {2.23708, 0.213109}
InitialParams {-0.561145, 2.61104}
FitFunction: Cos[#1*#2] + Sin[#1*#3] &
LSTemp and LSTolerance: 0.005 0.001