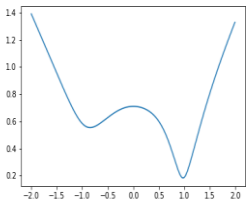
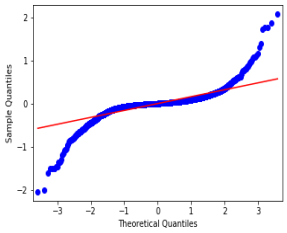
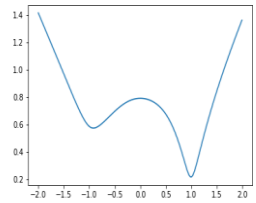
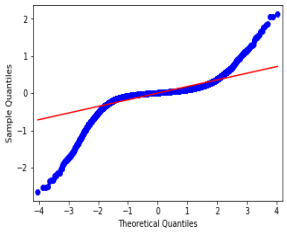
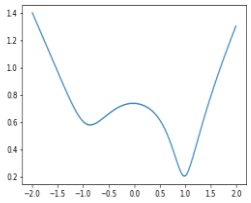
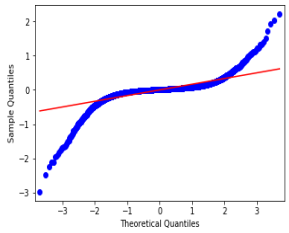
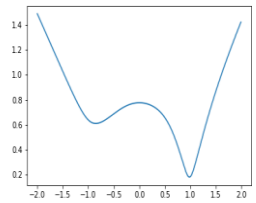
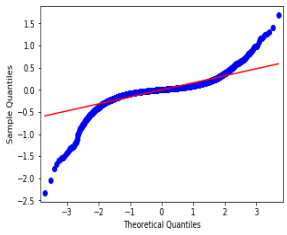
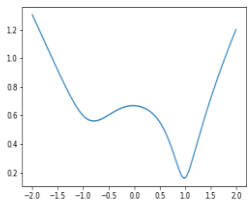
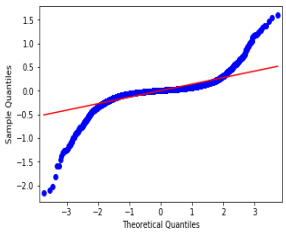
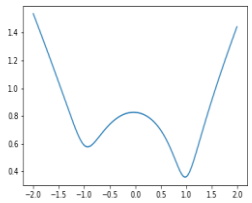
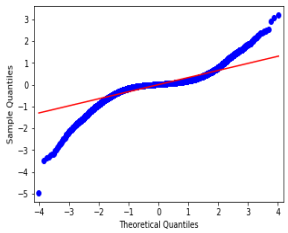
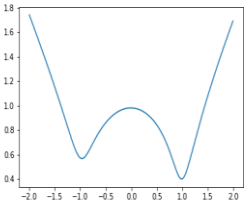
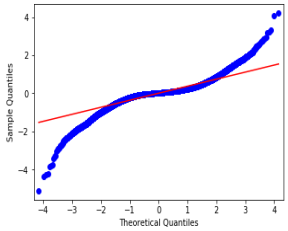
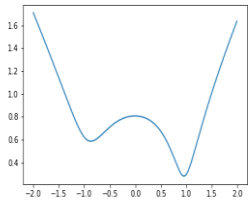
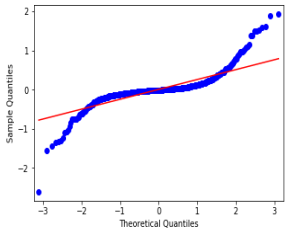
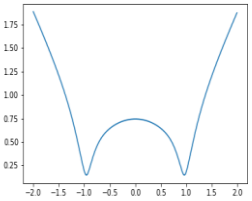
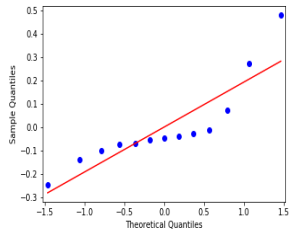
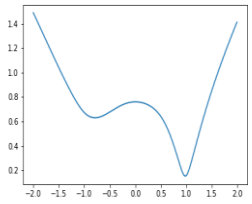
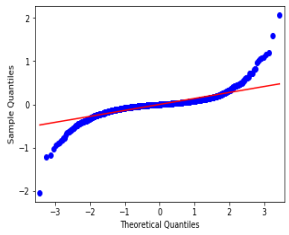
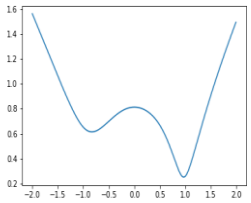
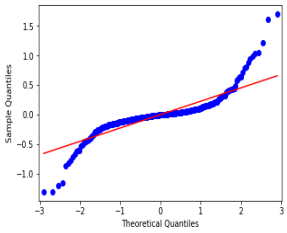
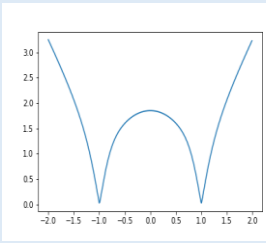
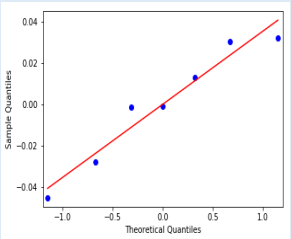
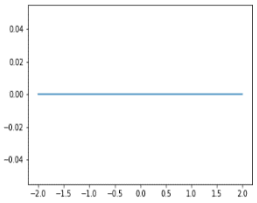
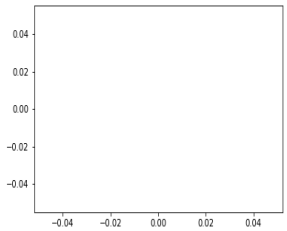
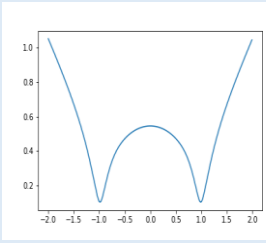
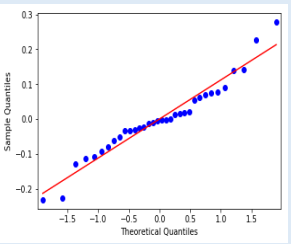
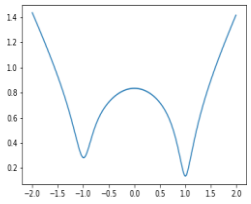
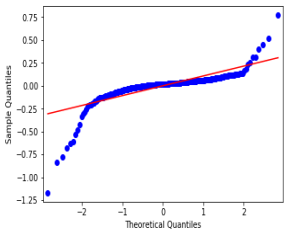
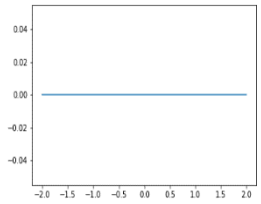
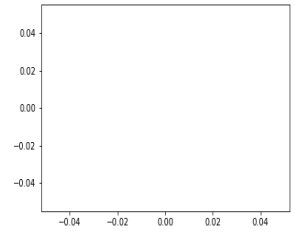
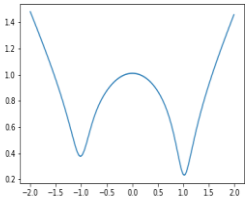
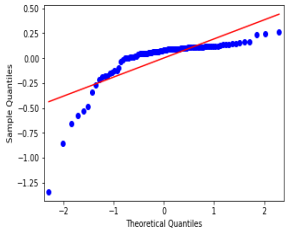
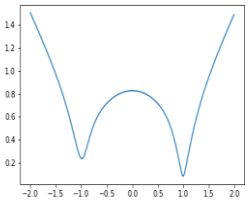
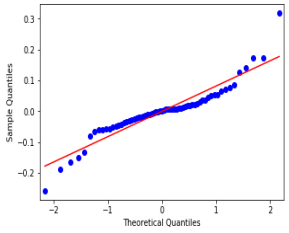
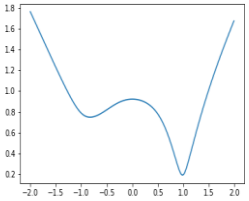
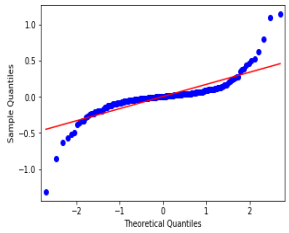
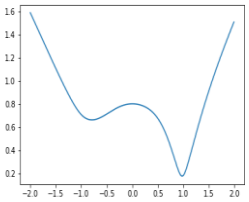
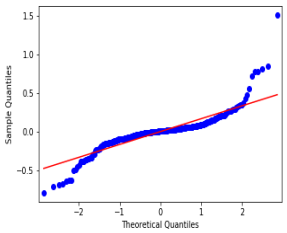
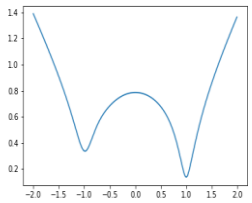
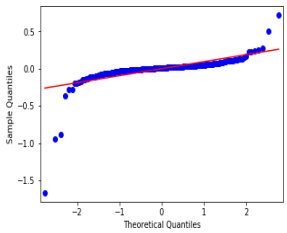
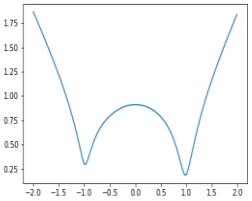
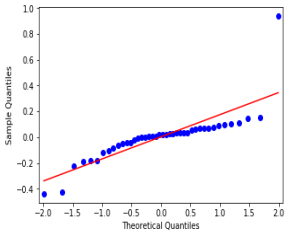
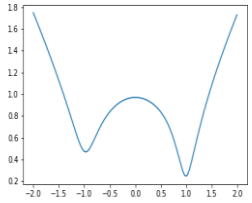
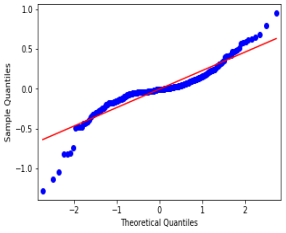
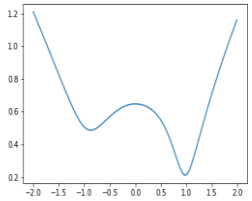
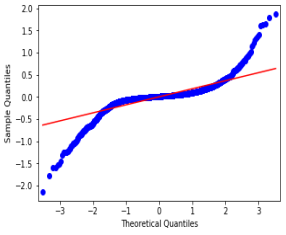
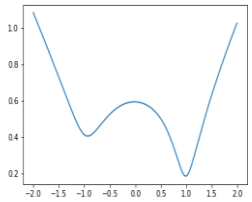
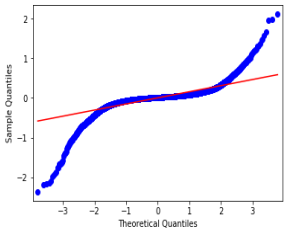
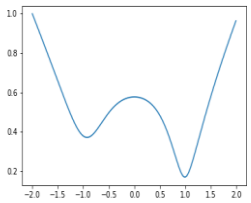
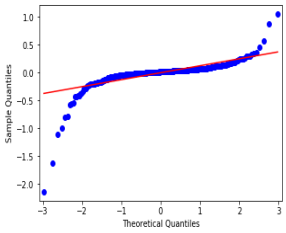
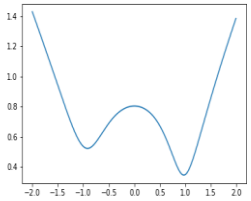
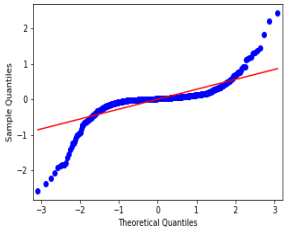
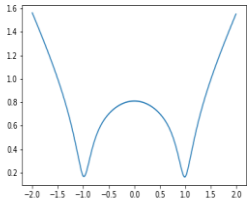
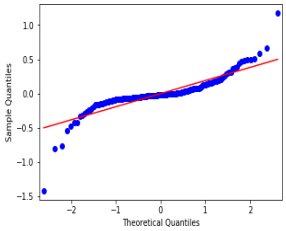
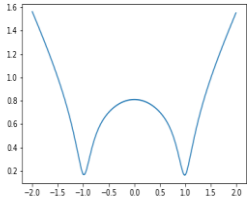
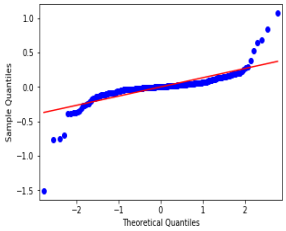
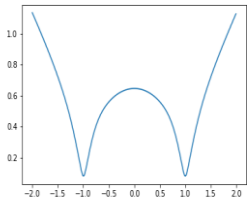
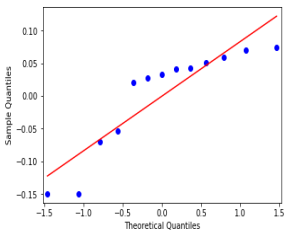
eco-region	number of observ.	standard error sigma vs parameter a	residual plots (basal area, individual patches)	Shapiro–Wilk test for residuals: test statistic W / p-value
211	14060			0.71 / 0.0
212	82401			0.68 / 0.0
221	20646			0.65 / 0.0
222	23594			0.75 / 0.0
223	24766			0.69 / 0.0

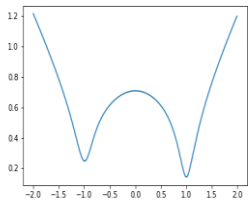
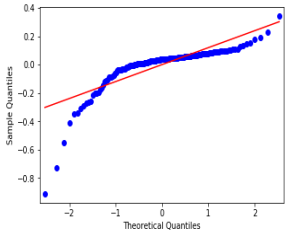
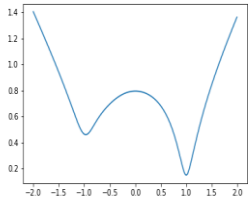
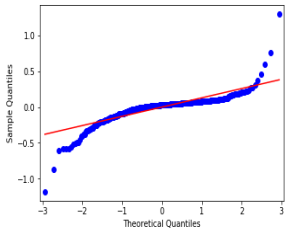
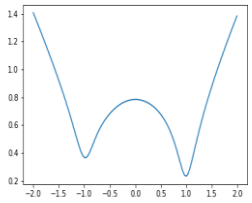
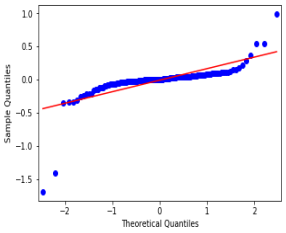
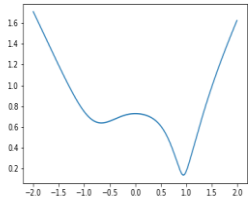
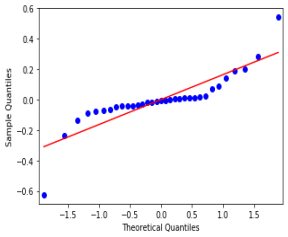
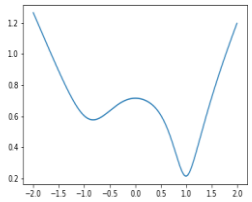
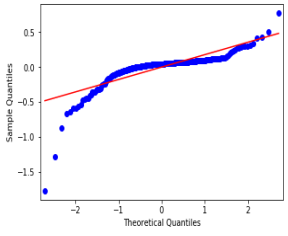
eco-region	number of observ.	standard error sigma vs parameter a	residual plots (basal area, individual patches)	Shapiro–Wilk test for residuals: test statistic W / p-value
231	54649			0.79 / 0.0
232	91856			0.85 / 0.0
234	2605			0.72 / 0.0
242	544			0.81 / 0.01
251	9855			0.76 / 0.0

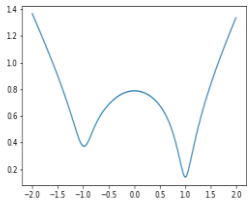
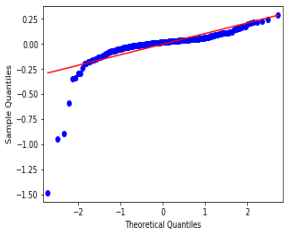
eco-region	number of observ.	standard error sigma vs parameter a	residual plots (basal area, individual patches)	Shapiro–Wilk test for residuals: test statistic W / p-value
255	2846			0.76 / 0.0
261	144			0.93 / 0.55
262	5			
263	418			0.96 / 0.29
313	3499			0.64 / 0.0

eco-region	number of observ.	standard error sigma vs parameter a	residual plots (basal area, individual patches)	Shapiro–Wilk test for residuals: test statistic W / p-value
315	3597			
321	1509			0.63 / 0.0
322	470			0.91 / 0.0
331	1819			0.73 / 0.0
332	1565			0.8 / 0.0

eco-region	number of observ.	standard error sigma vs parameter a	residual plots (basal area, individual patches)	Shapiro–Wilk test for residuals: test statistic W / p-value
341	2338			0.47 / 0.0
342	927			0.72 / 0.0
411	585			0.87 / 0.0
M211	10345			0.71 / 0.0
M221	23137			0.68 / 0.0

eco-region	number of observ.	standard error sigma vs parameter a	residual plots (basal area, individual patches)	Shapiro–Wilk test for residuals: test statistic W / p-value
M223	1268			0.55 / 0.0
M231	2040			0.64 / 0.0
M242	5148			0.78 / 0.0
M261	4755			0.65 / 0.0
M262	250			0.8 / 0.01

eco-region	number of observ.	standard error sigma vs parameter a	residual plots (basal area, individual patches)	Shapiro–Wilk test for residuals: test statistic W / p-value
M313	2130			0.69 / 0.0
M331	5470			0.73 / 0.0
M332	4416			0.56 / 0.0
M333	3105			0.8 / 0.0
M334	634			0.68 / 0.0

eco-region	number of observ.	standard error sigma vs parameter a	residual plots (basal area, individual patches)	Shapiro–Wilk test for residuals: test statistic W / p-value
M341	2472			0.55 / 0.0