Histogram of roc with gaussian fit: mean_temp_depth

- - - 0.5-quantile = 4.50
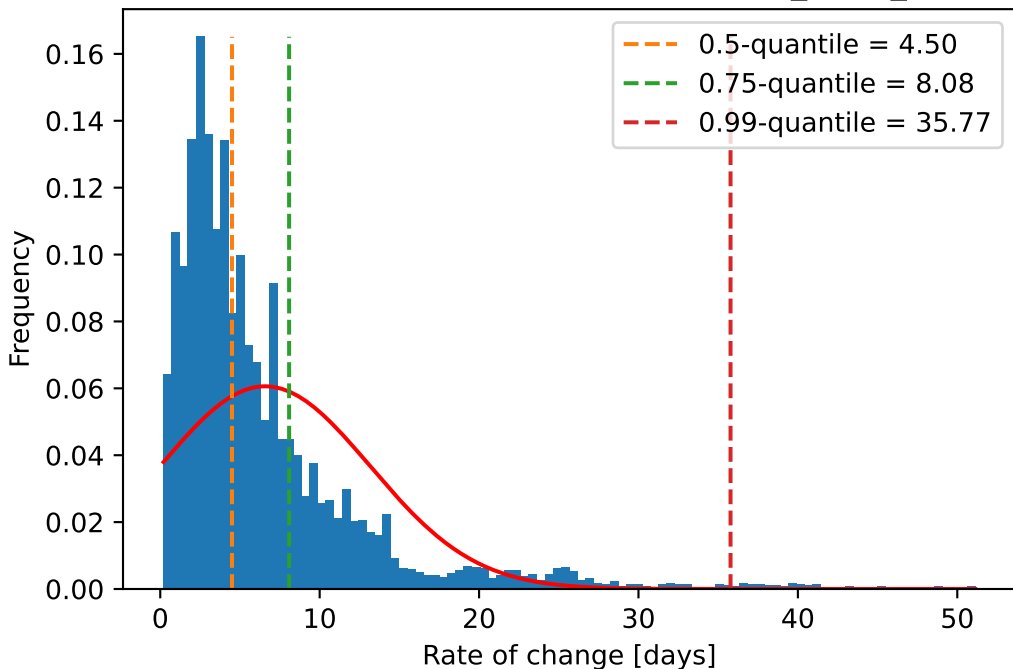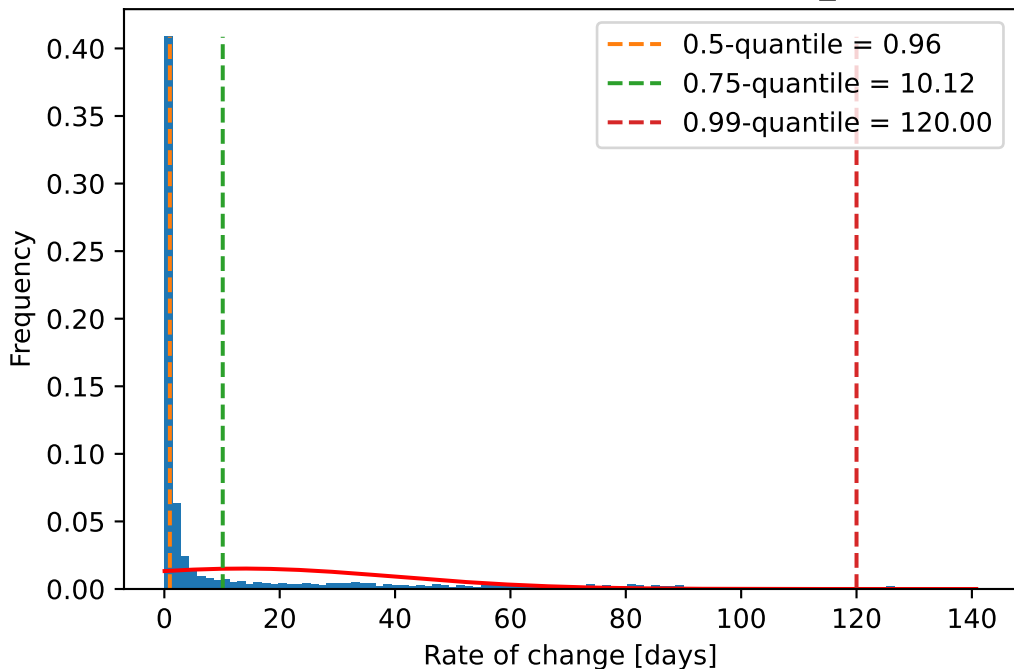- - - 0.75-quantile = 8.08
- - - 0.99-quantile = 35.77
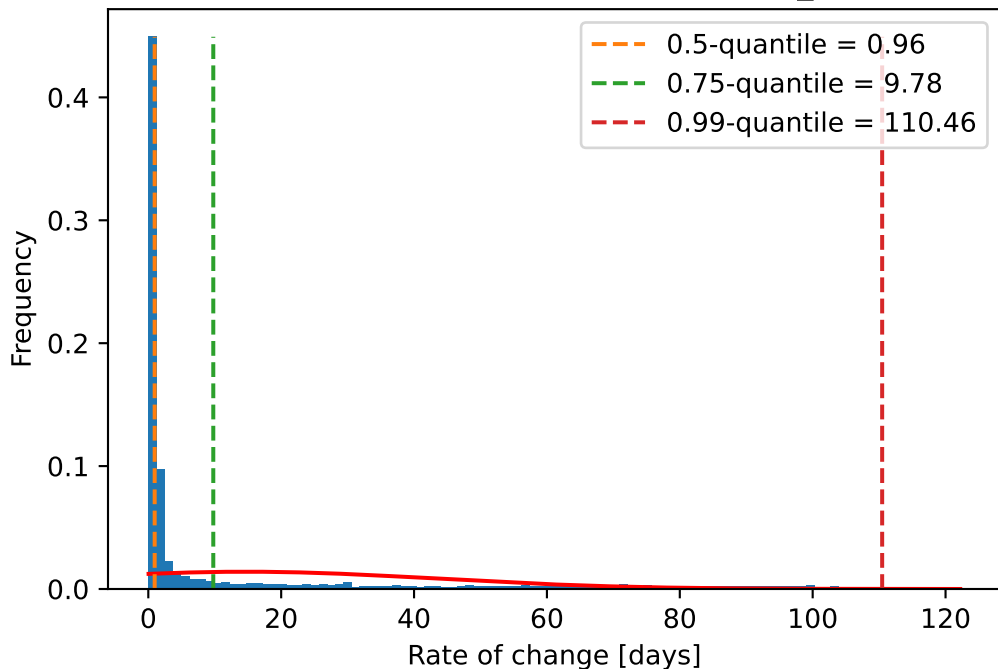
Histogram of roc with gaussian fit: cv_temp

Histogram of roc with gaussian fit: mean_condF_depth

0.5-quantile = 3.92
0.75-quantile = 7.46
0.99-quantile = 31.34

Histogram of roc with gaussian fit: cv_condF

- - - 0.5-quantile = 0.96
- - - 0.75-quantile = 9.78
- - - 0.99-quantile = 110.46

Frequency

Rate of change [days]

Histogram of roc with gaussian fit: mean_o2_depth

0.5-quantile = 1.12	
0.75-quantile = 2.46	
0.99-quantile = 10.58	

Histogram of roc with gaussian fit: cv_o2

Legend	
0.5-quantile = 1.29	
0.75-quantile = 4.00	
0.99-quantile = 80.43	
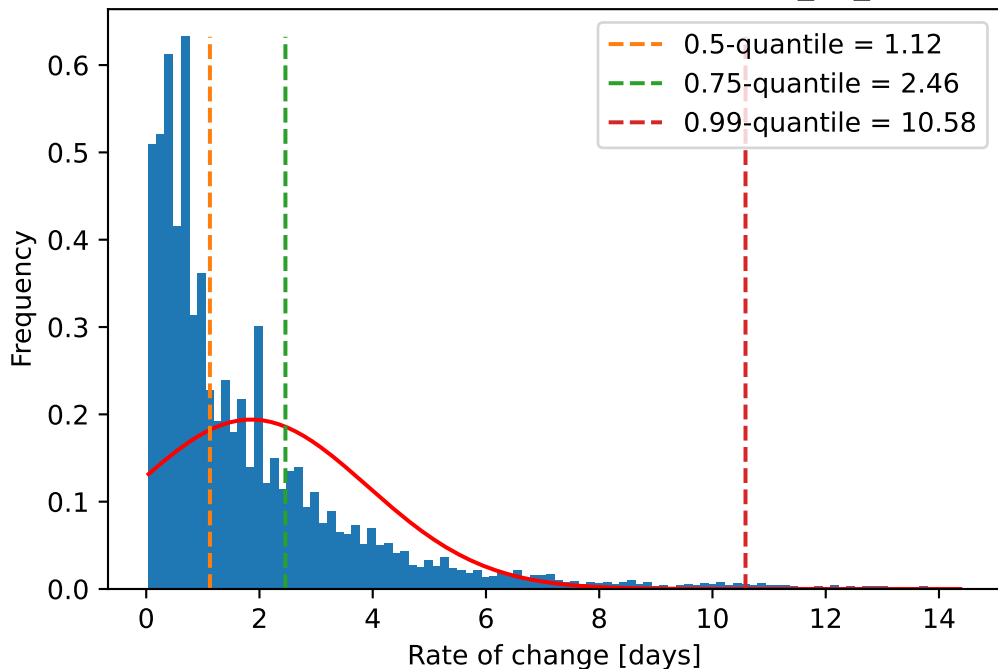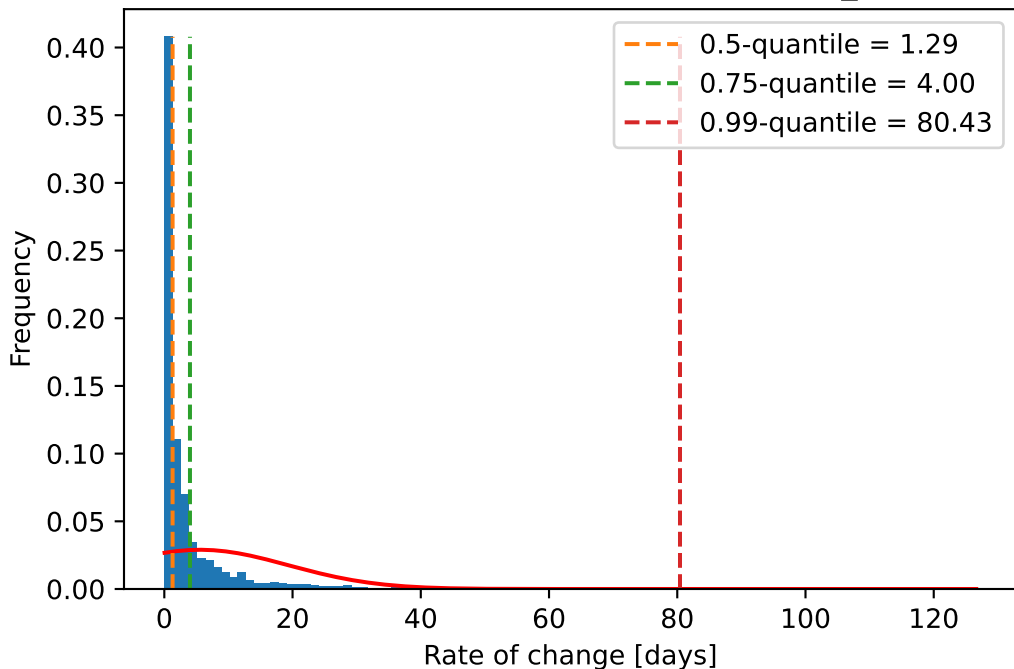
Histogram of roc with gaussian fit: mean_o2ppm_depth

- 0.5-quantile = 1.08
- 0.75-quantile = 2.42
- 0.99-quantile = 9.61

Histogram of roc with gaussian fit: cv_o2ppm

- - - 0.5-quantile = 1.25
- - - 0.75-quantile = 4.25
- - - 0.99-quantile = 61.72
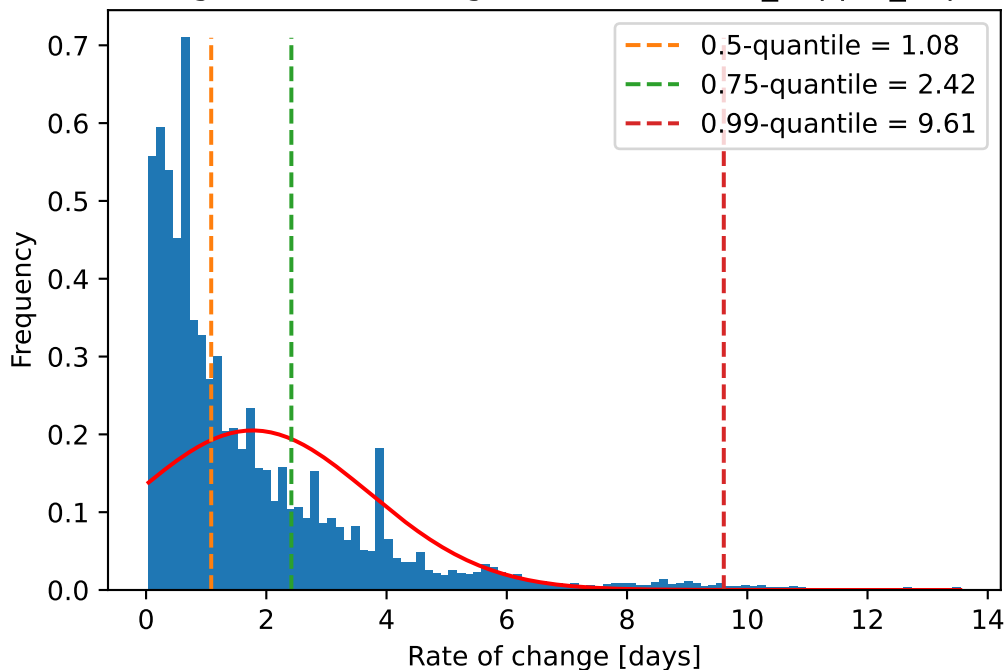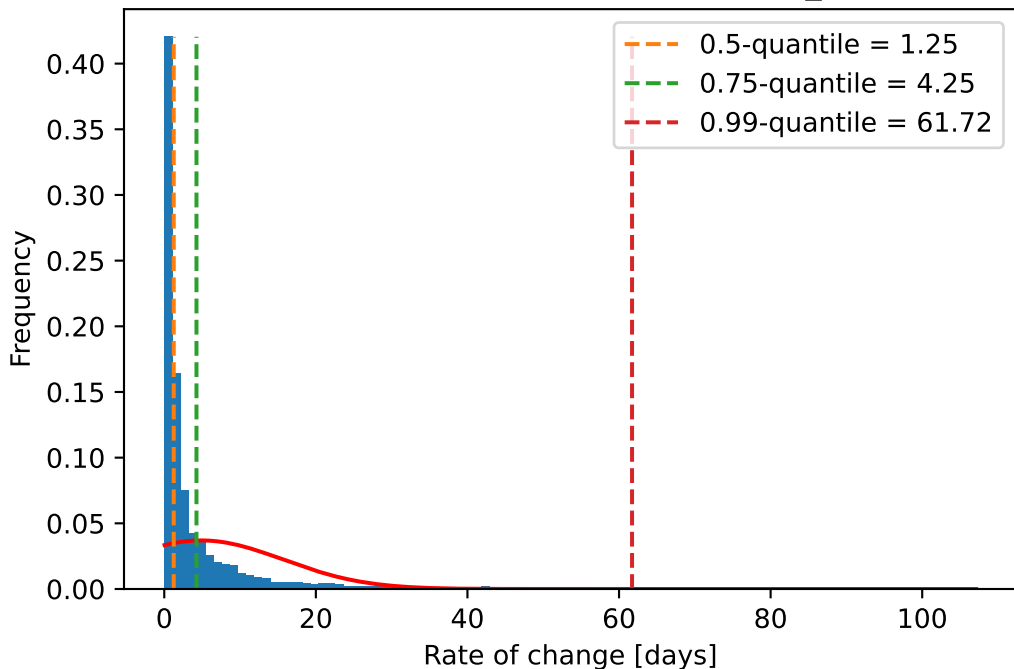
Histogram of roc with gaussian fit: mean_ph_depth

0.5-quantile = 2.67
0.75-quantile = 4.79
0.99-quantile = 17.92

Histogram of roc with gaussian fit: cv_ph
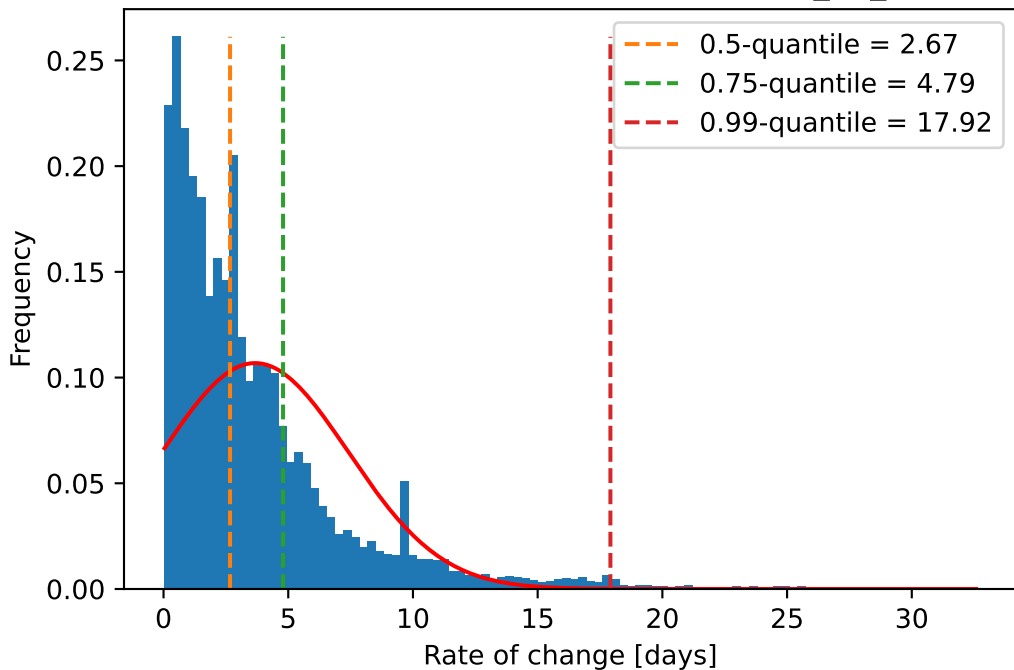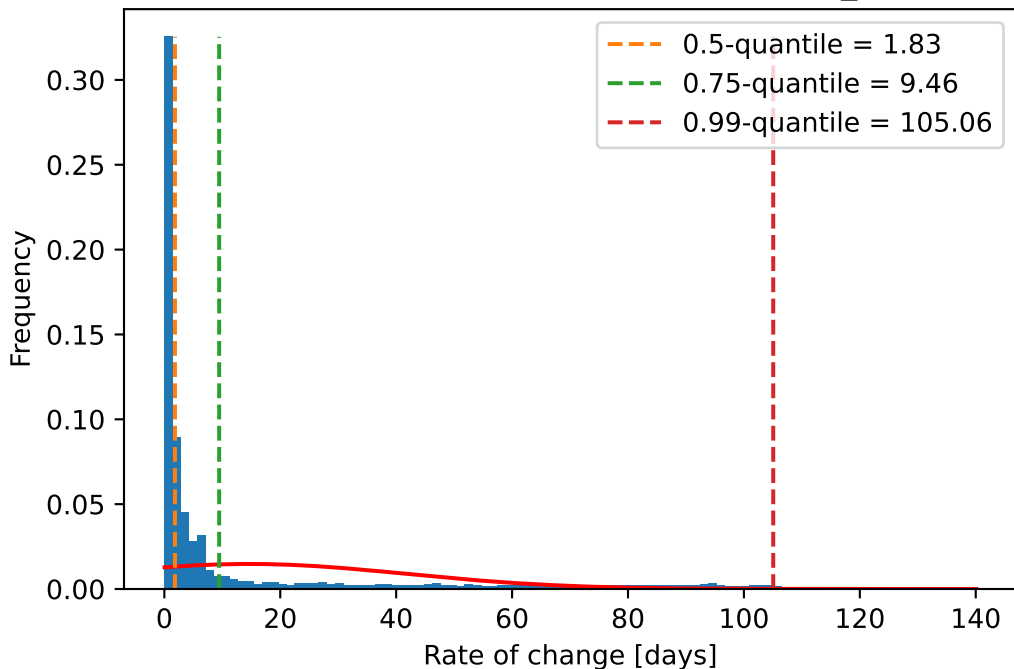
Histogram of roc with gaussian fit: mean_chla_depth

- 0.5-quantile = 1.75
- 0.75-quantile = 4.58
- 0.99-quantile = 44.08
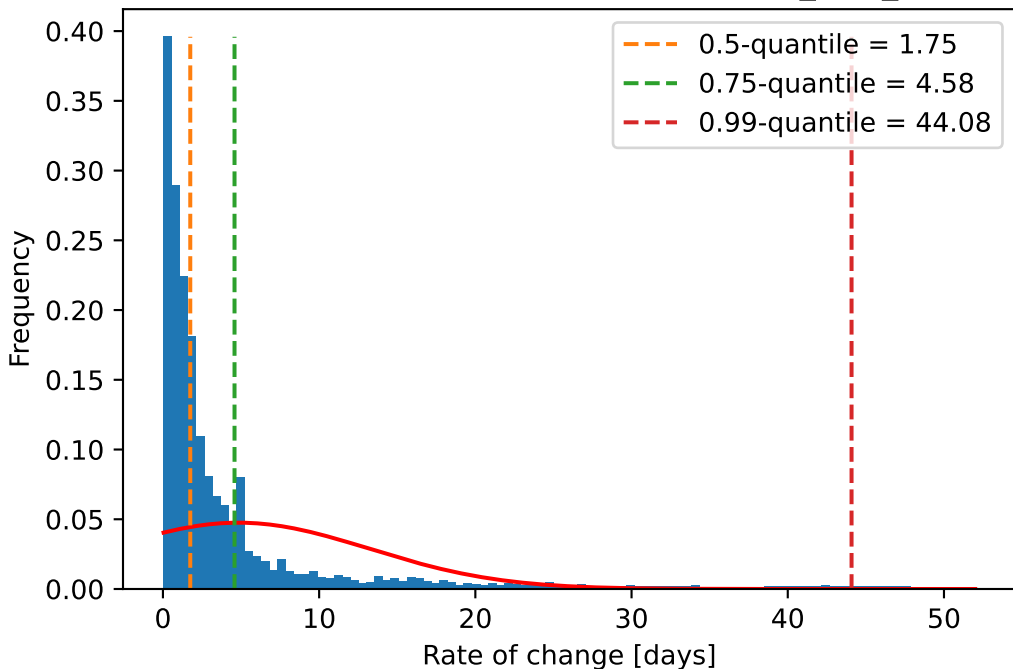
Histogram of roc with gaussian fit: cv_chla
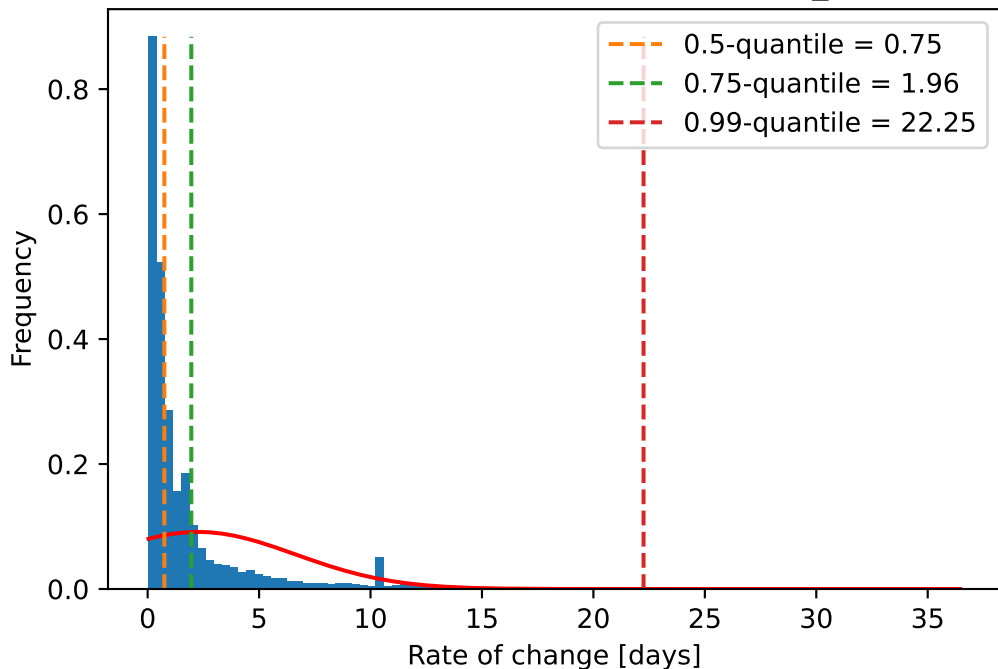
Histogram of roc with gaussian fit: mean_turb_depth

- 0.5-quantile = 2.79
- 0.75-quantile = 7.77
- 0.99-quantile = 70.67
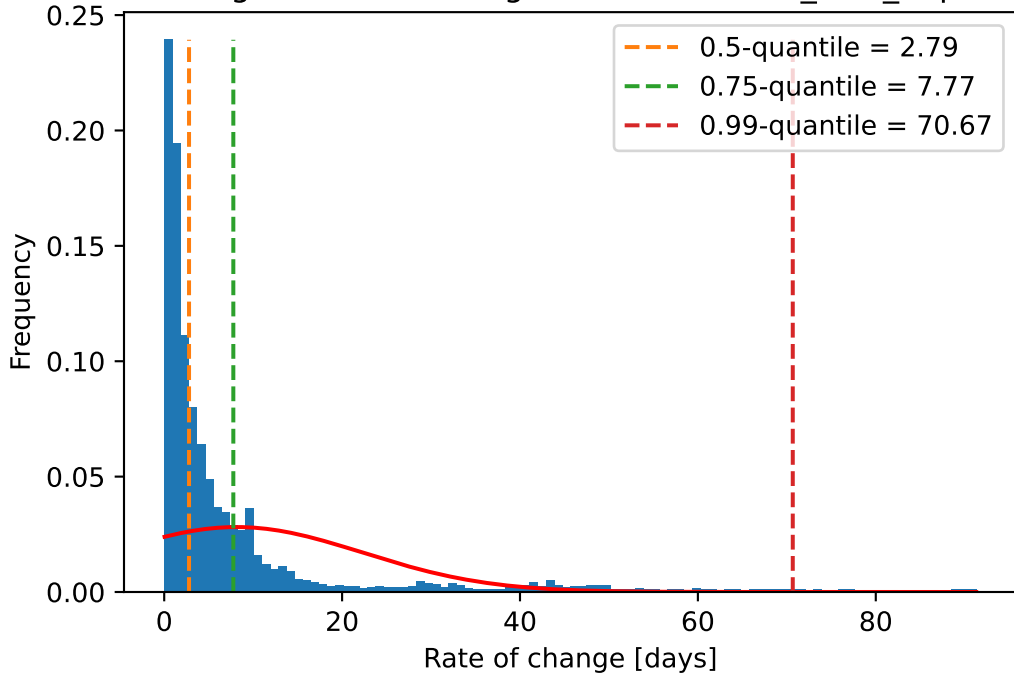
Histogram of roc with gaussian fit: mean_par_depth

- - - 0.5-quantile = 0.50
- - - 0.75-quantile = 0.88
- - - 0.99-quantile = 17.76

Histogram of roc with gaussian fit: cv_par

- - - 0.5-quantile = 0.46
- - - 0.75-quantile = 0.88
- - - 0.99-quantile = 17.84
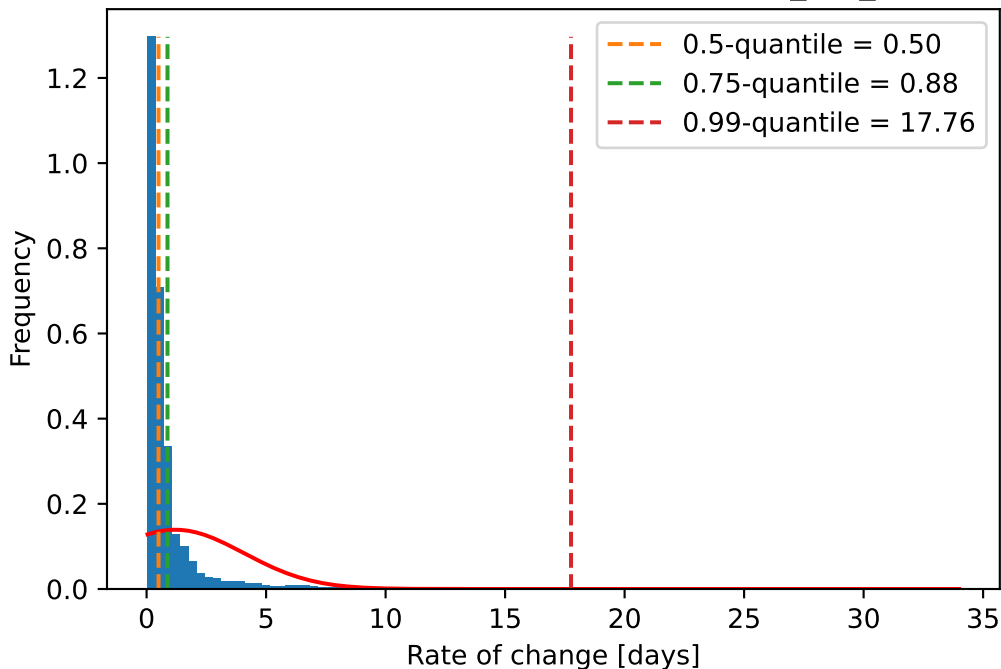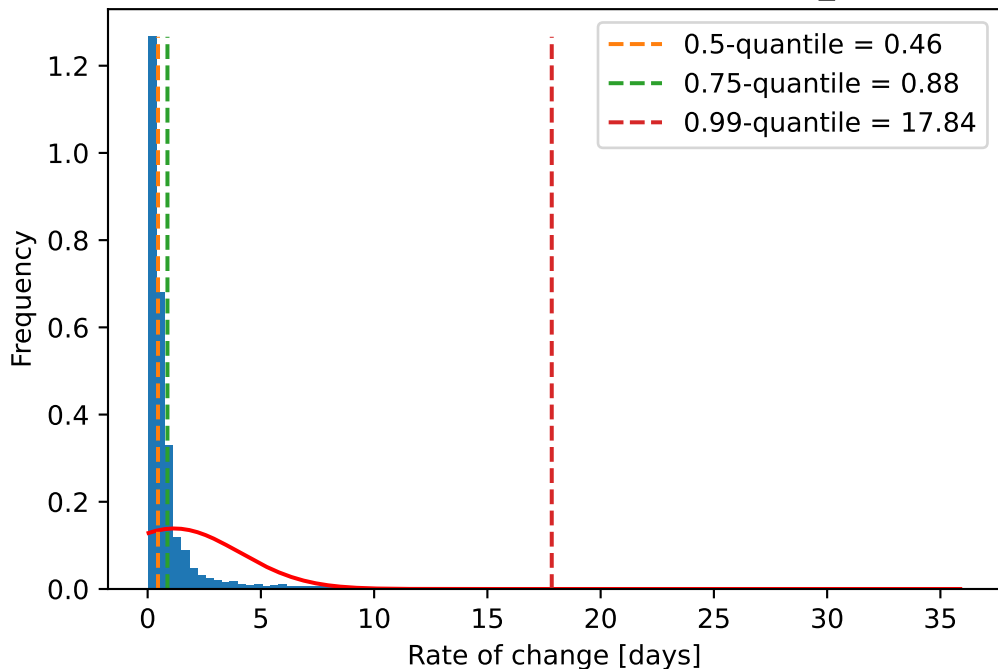
Histogram of roc with gaussian fit: mean_cloud_cover
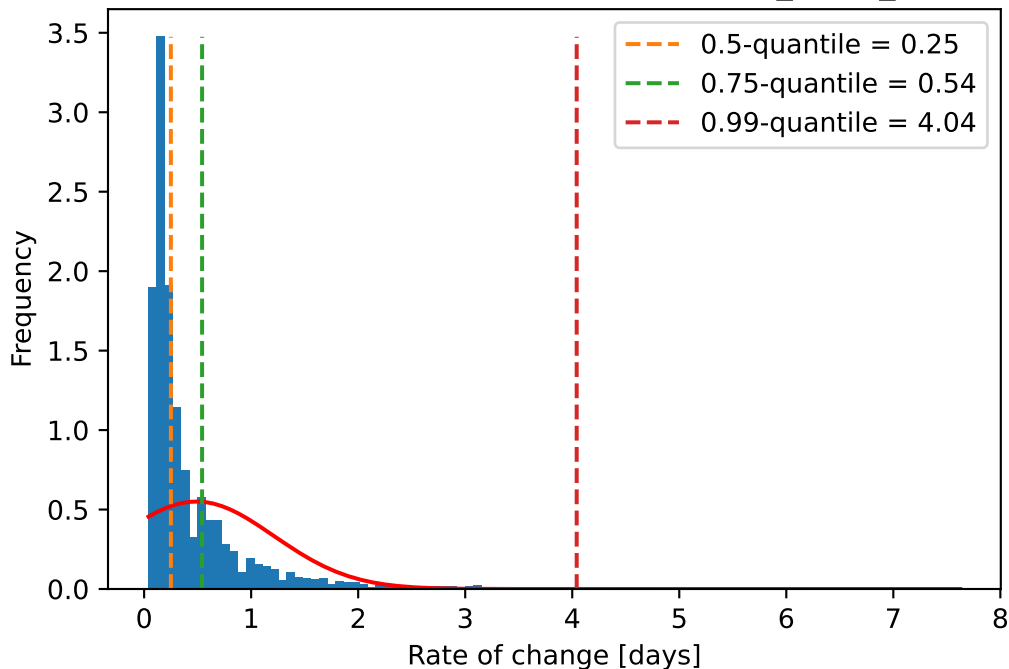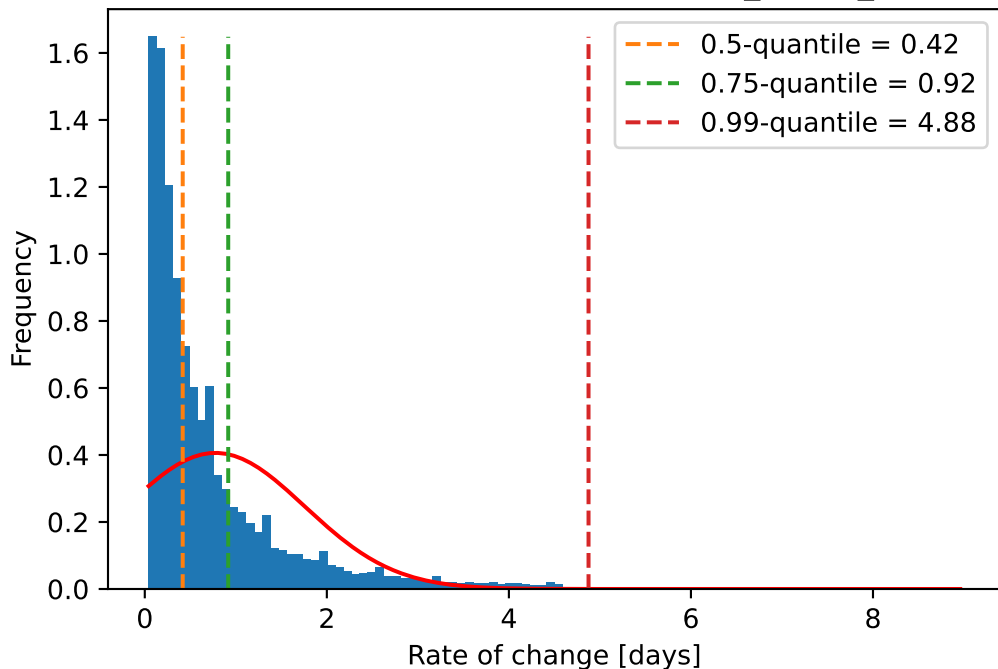
- - - 0.5-quantile = 0.25
- - - 0.75-quantile = 0.54
- - - 0.99-quantile = 4.04

Histogram of roc with gaussian fit: mean_global_radiation

- - - 0.5-quantile = 0.42
- - - 0.75-quantile = 0.92
- - - 0.99-quantile = 4.88

Histogram of roc with gaussian fit: atmospheric_pressure_max

- 0.5-quantile = 0.38
- 0.75-quantile = 0.79
- 0.99-quantile = 3.17

Histogram of roc with gaussian fit: atmospheric_pressure_min

Legend:
- 0.5-quantile = 0.38
- 0.75-quantile = 0.75
- 0.99-quantile = 2.96

X-axis: Rate of change [days]
Y-axis: Frequency
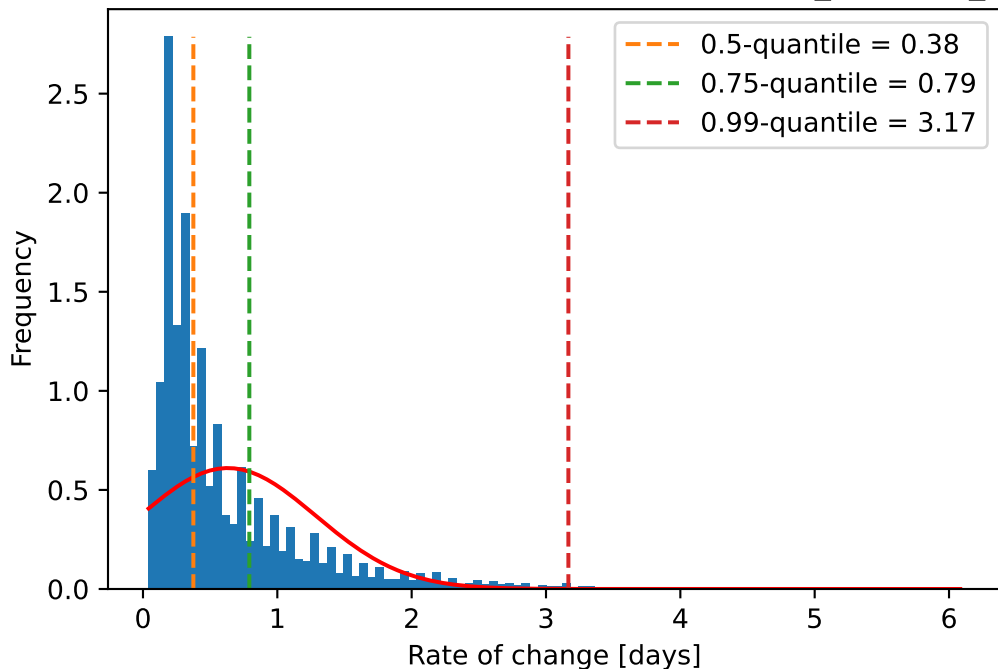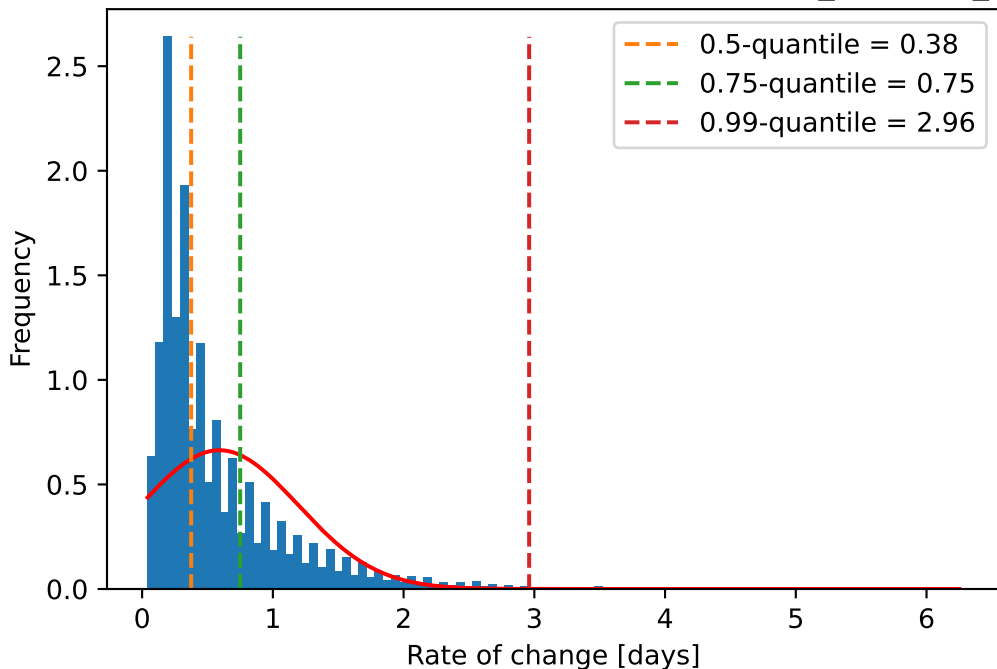
Histogram of roc with gaussian fit: atmospheric_pressure_mean

Histogram of roc with gaussian fit: temp_max

- 0.5-quantile = 0.54
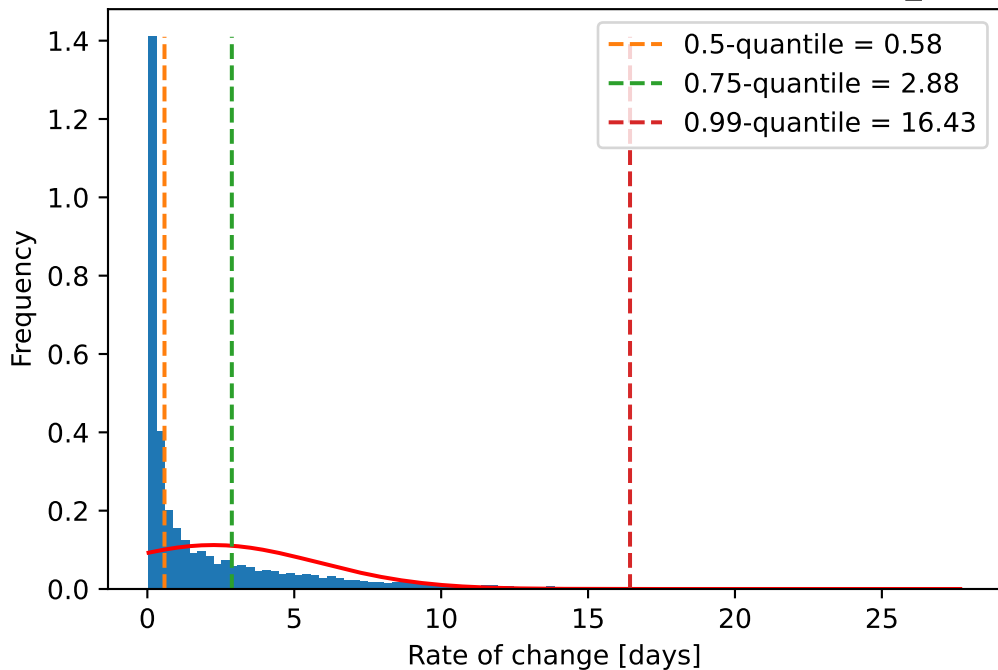- 0.75-quantile = 1.08
- 0.99-quantile = 3.79
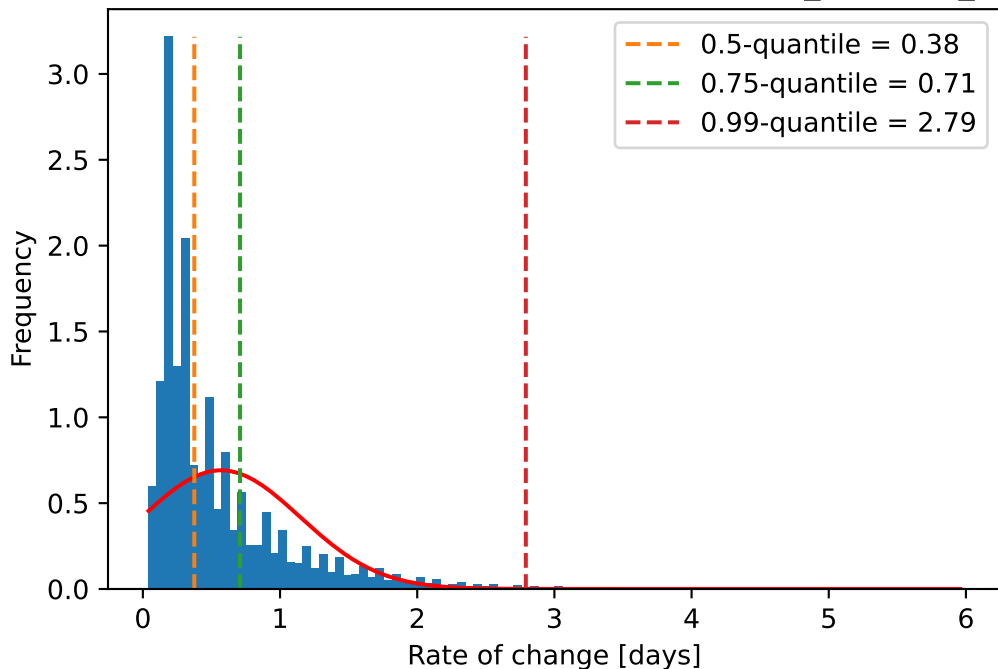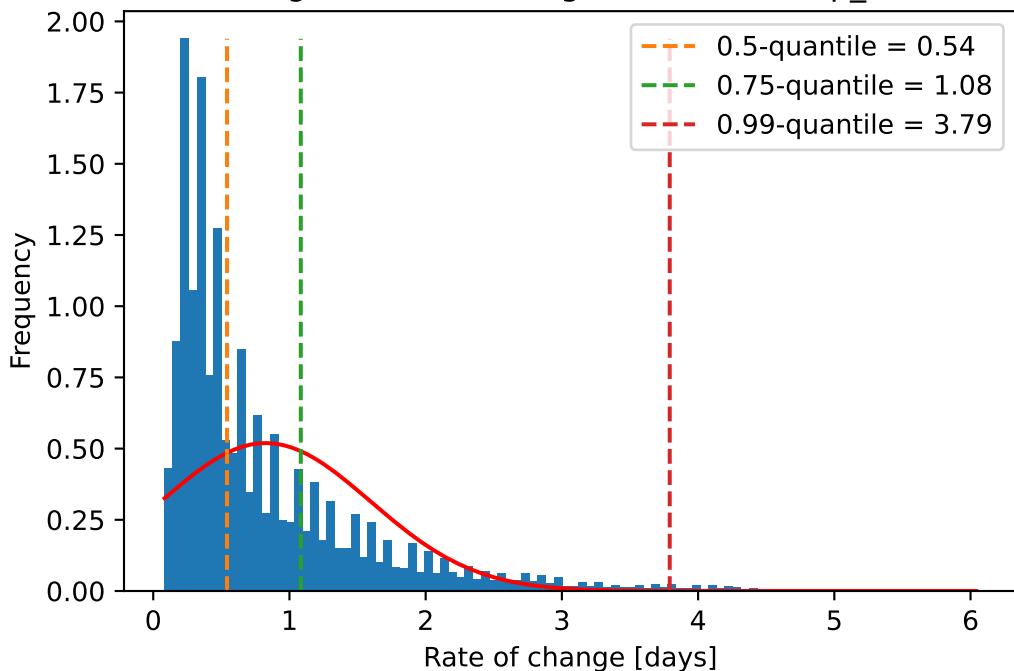
Histogram of roc with gaussian fit: temp_min

Histogram of roc with gaussian fit: temp_mean
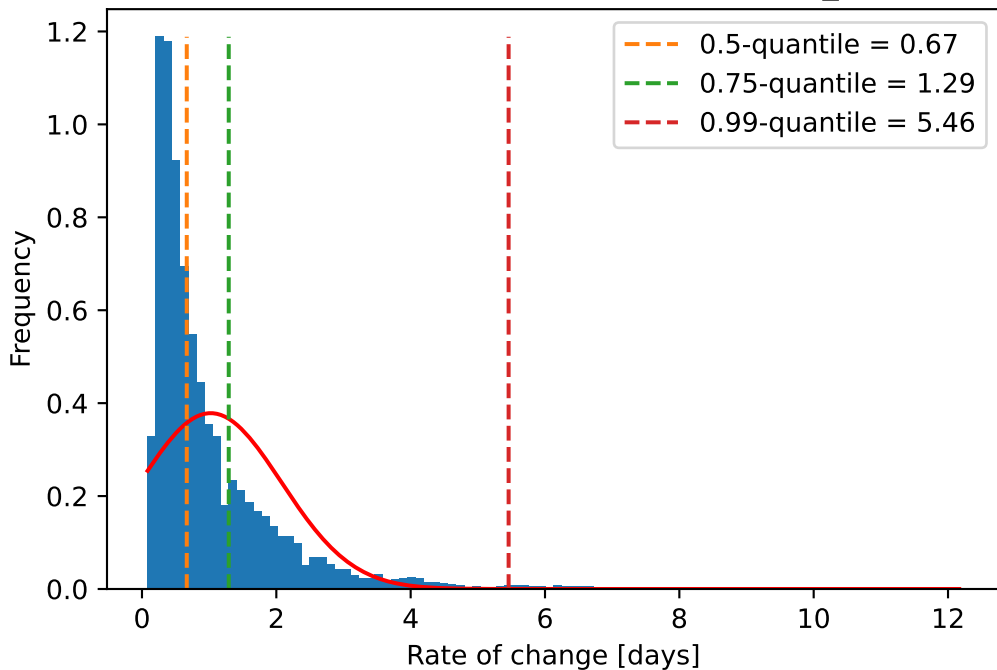
- - - 0.5-quantile = 0.67
- - - 0.75-quantile = 1.29
- - - 0.99-quantile = 5.46

Histogram of roc with gaussian fit: precipitation_tot

- 0.5-quantile = 0.58
- 0.75-quantile = 2.88
- 0.99-quantile = 16.43

Histogram of roc with gaussian fit: rel_air_humidity_max

- 0.5-quantile = 0.38
- 0.75-quantile = 0.83
- 0.99-quantile = 3.83

Histogram of roc with gaussian fit: rel_air_humidity_min

- - - 0.5-quantile = 0.29
- - - 0.75-quantile = 0.58
- - - 0.99-quantile = 2.54

Histogram of roc with gaussian fit: rel_air_humidity_mean

- 0.5-quantile = 0.29
- 0.75-quantile = 0.62
- 0.99-quantile = 3.04
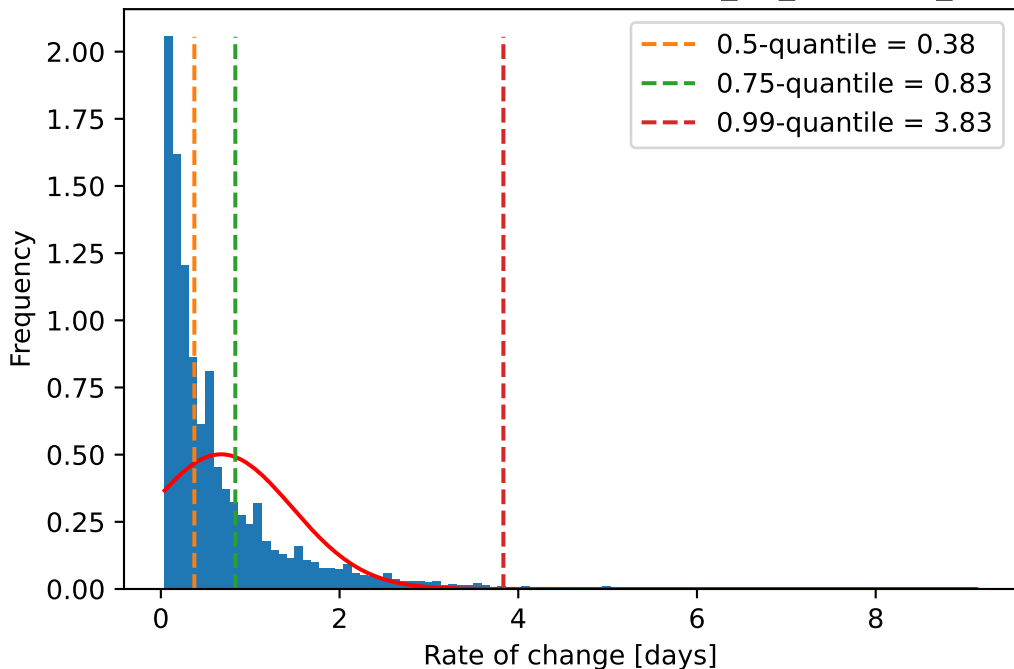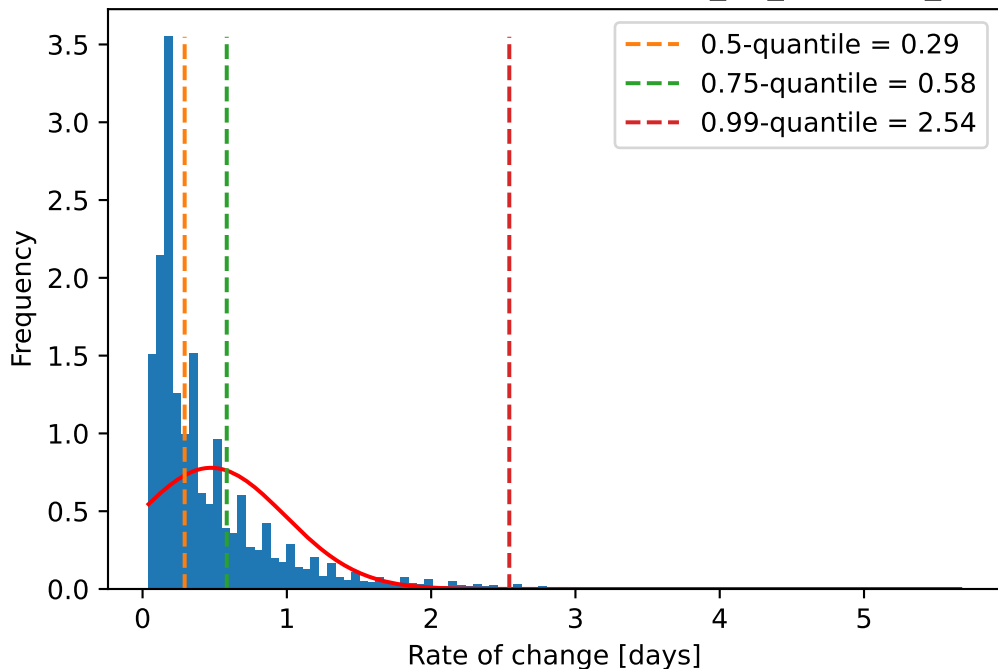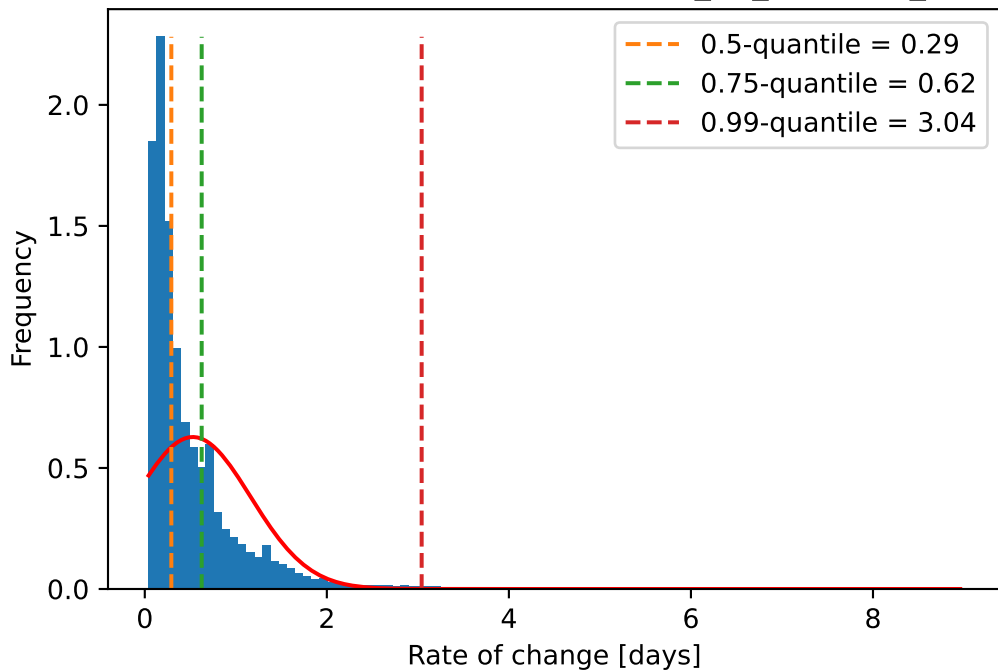
Histogram of roc with gaussian fit: sunshine_duration
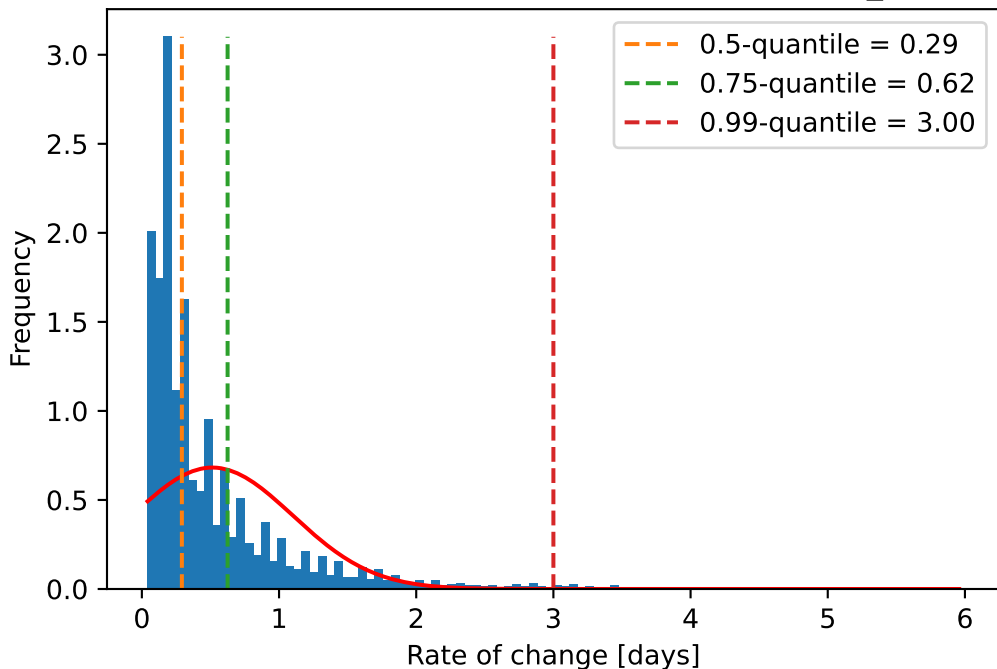
- 0.5-quantile = 0.25
- 0.75-quantile = 0.67
- 0.99-quantile = 6.12

Histogram of roc with gaussian fit: windspeed_mean

Histogram of roc with gaussian fit: windspeed_max
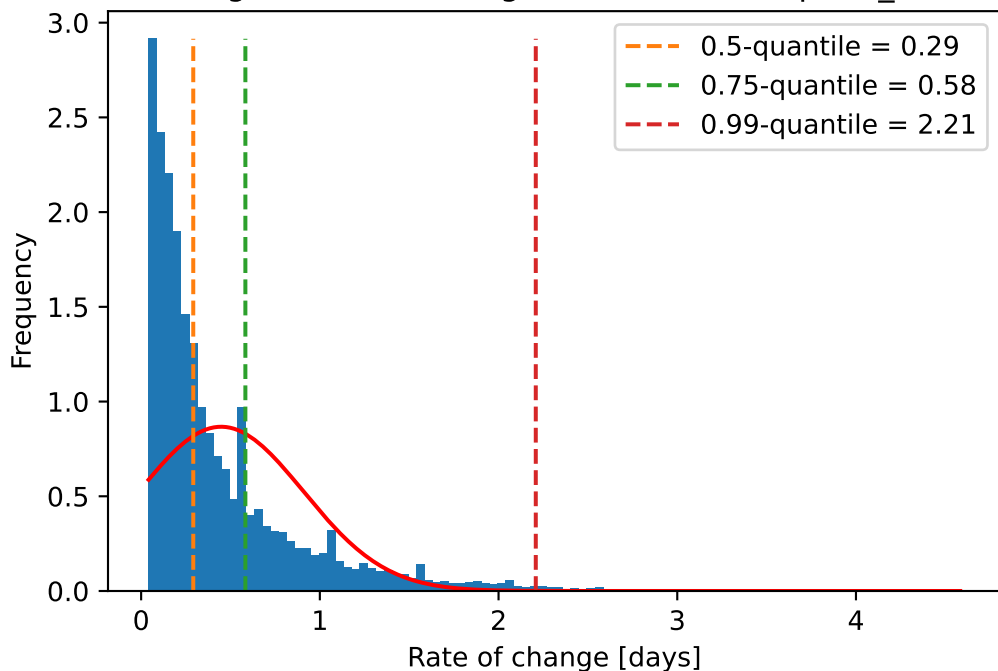
Legend:
- 0.5-quantile = 0.29
- 0.75-quantile = 0.58
- 0.99-quantile = 2.21

X-axis: Rate of change [days]
Y-axis: Frequency

Histogram of roc with gaussian fit: wind_direction_mean

- 0.5-quantile = 0.29
- 0.75-quantile = 0.75
- 0.99-quantile = 4.33

Histogram of roc with gaussian fit: mean_global_radiation_GR

Legend:
- 0.5-quantile = 0.42
- 0.75-quantile = 0.71
- 0.99-quantile = 3.29

X-axis: Rate of change [days]
Y-axis: Frequency

Histogram of roc with gaussian fit: atmospheric_pressure_max_GR

- - - 0.5-quantile = 0.29
- - - 0.75-quantile = 0.58
- - - 0.99-quantile = 2.12

Histogram of roc with gaussian fit: atmospheric_pressure_min_GR

- 0.5-quantile = 0.29
- 0.75-quantile = 0.58
- 0.99-quantile = 2.05

Histogram of roc with gaussian fit: atmospheric_pressure_mean_GR

- 0.5-quantile = 0.29
- 0.75-quantile = 0.58
- 0.99-quantile = 2.08

Histogram of roc with gaussian fit: temp_max_GR

Legend:
- 0.5-quantile = 0.50
- 0.75-quantile = 0.96
- 0.99-quantile = 4.62

X-axis: Rate of change [days]
Y-axis: Frequency

Histogram of roc with gaussian fit: temp_min_GR

Legend:
- 0.5-quantile = 0.50
- 0.75-quantile = 0.96
- 0.99-quantile = 4.67

X-axis: Rate of change [days]
Y-axis: Frequency

Histogram of roc with gaussian fit: temp_mean_GR

- 0.5-quantile = 0.50
- 0.75-quantile = 0.96
- 0.99-quantile = 4.58

Histogram of roc with gaussian fit: precipitation_tot_GR

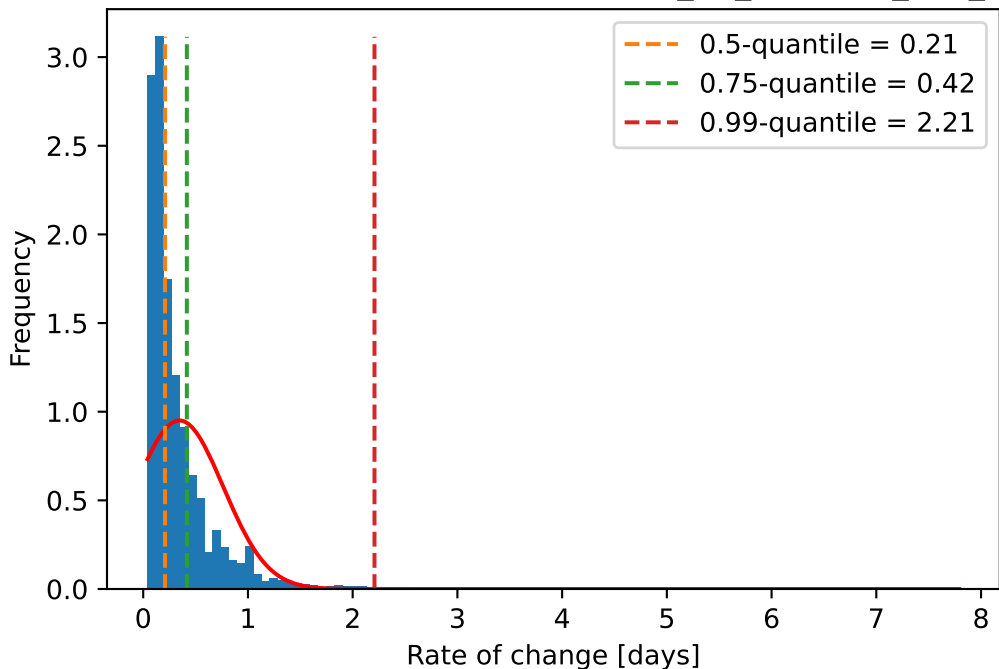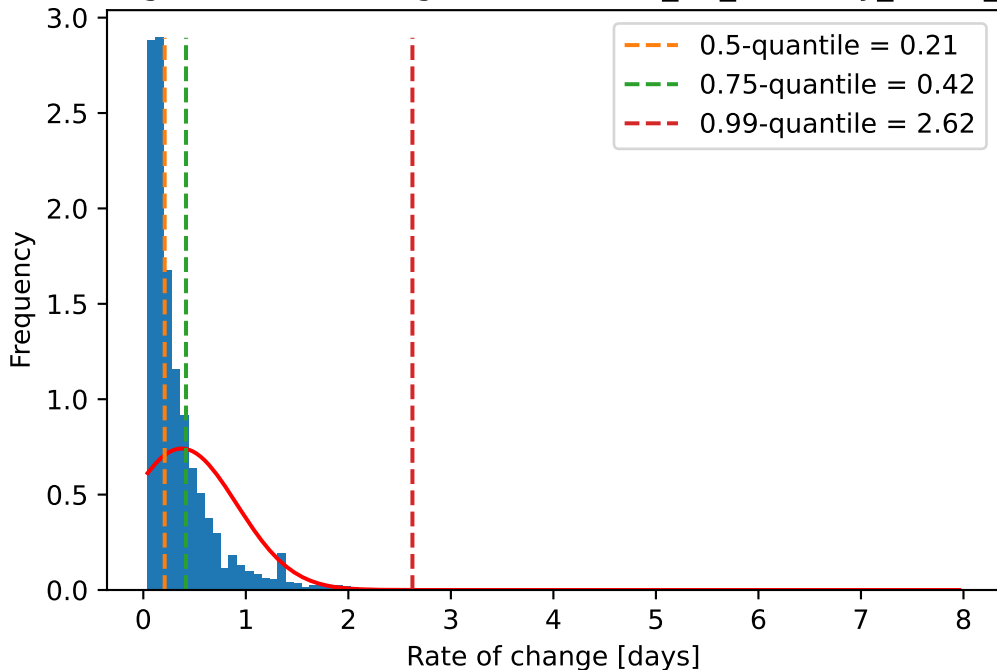- 0.5-quantile = 3.46
- 0.75-quantile = 31.59
- 0.99-quantile = 246.26
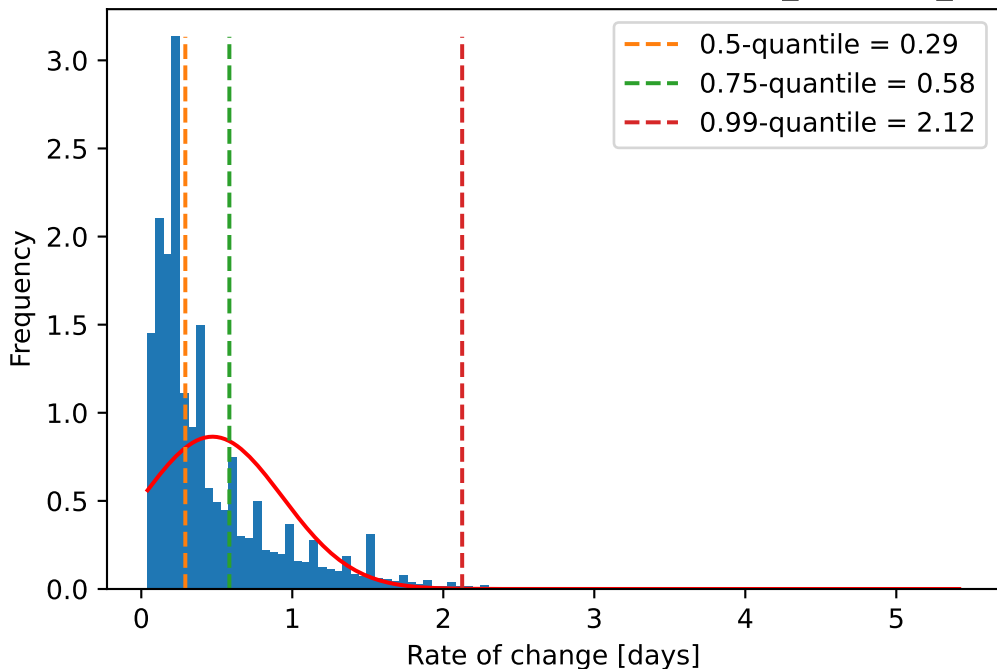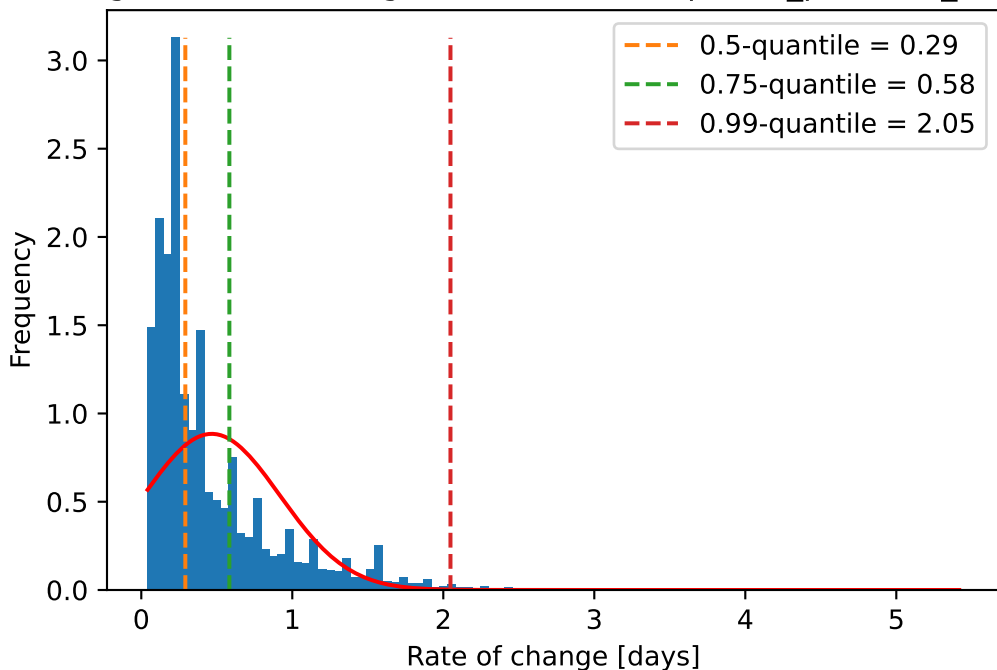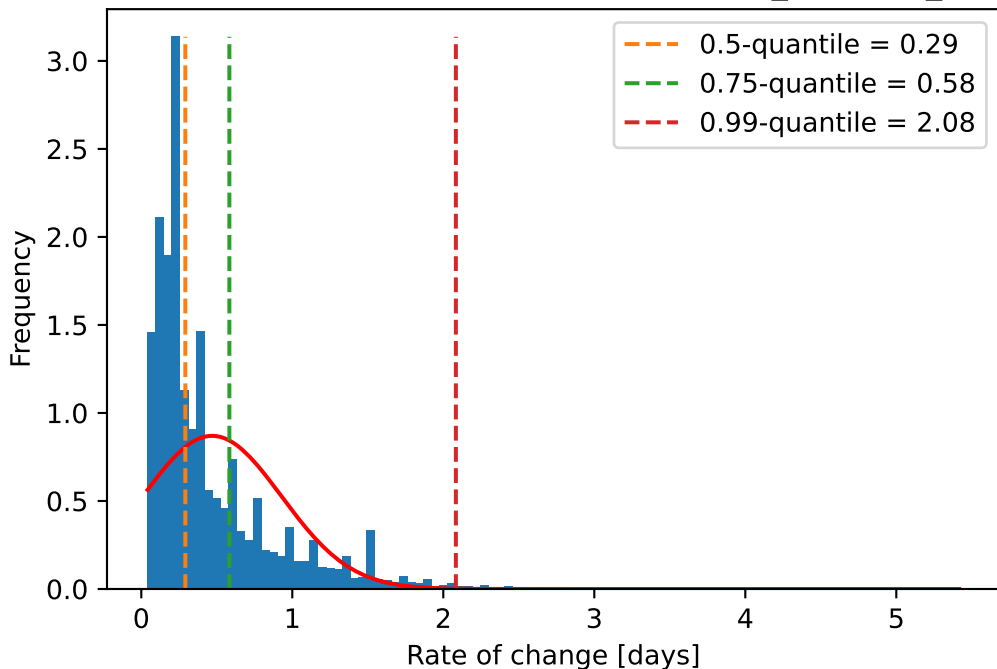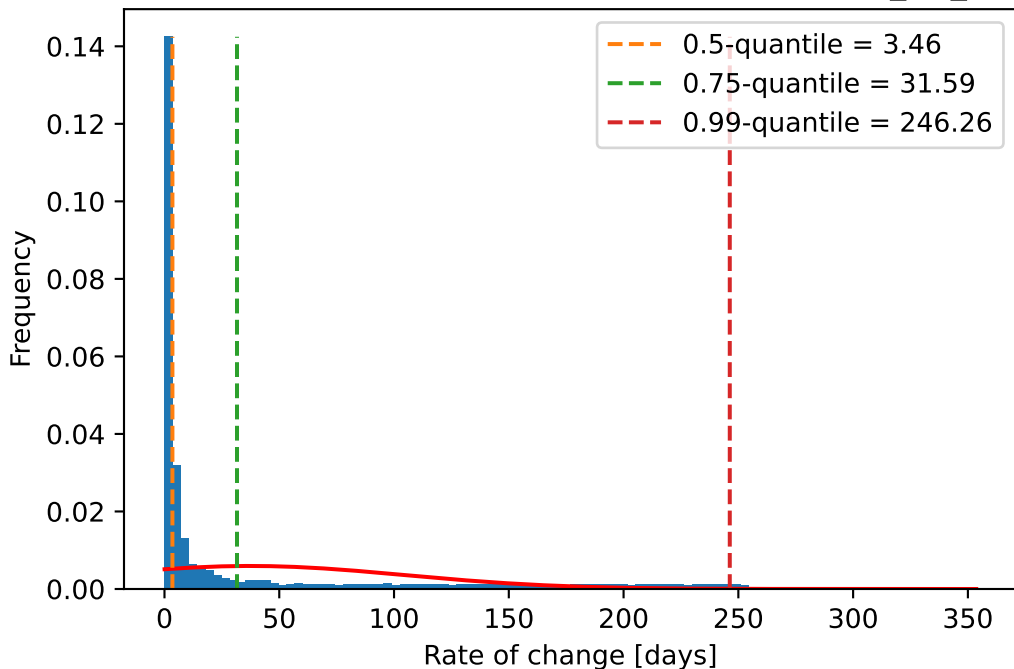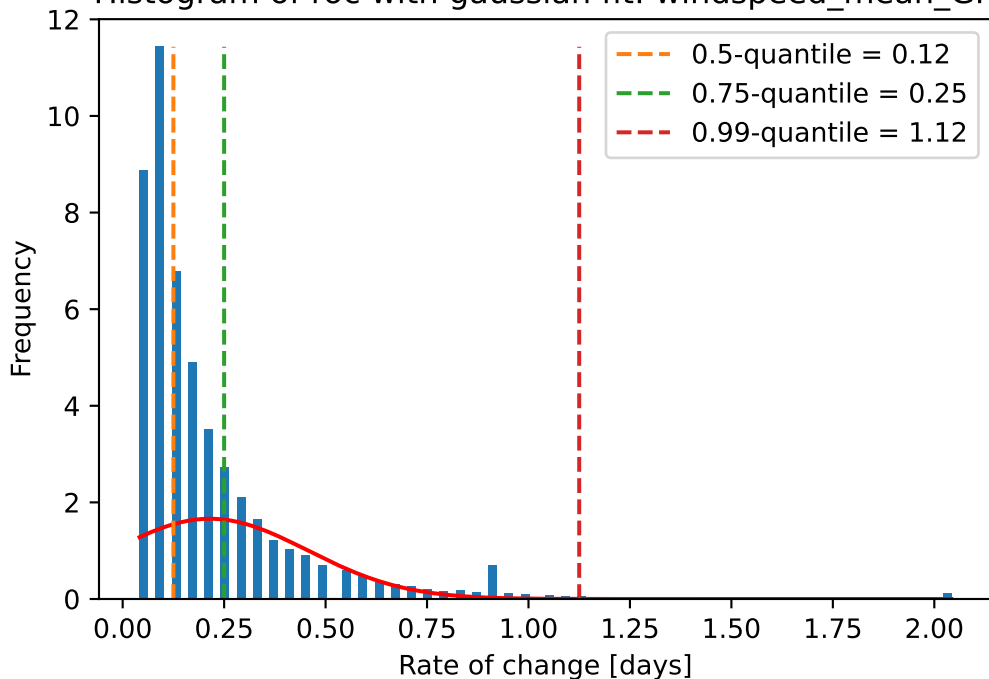
Histogram of roc with gaussian fit: rel_air_humidity_max_GR

Histogram of roc with gaussian fit: rel_air_humidity_min_GR

- - - 0.5-quantile = 0.21
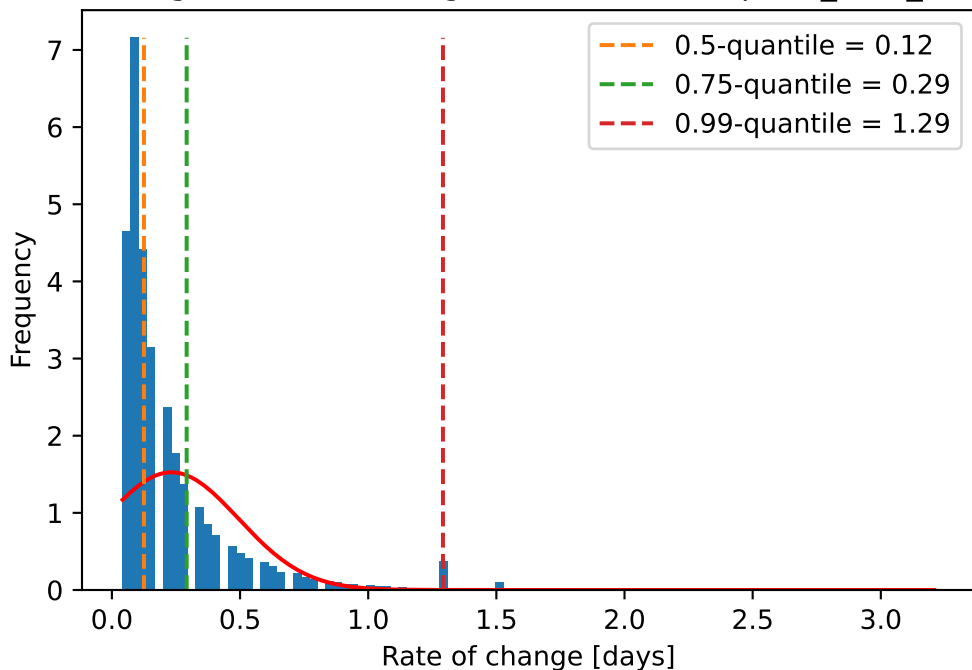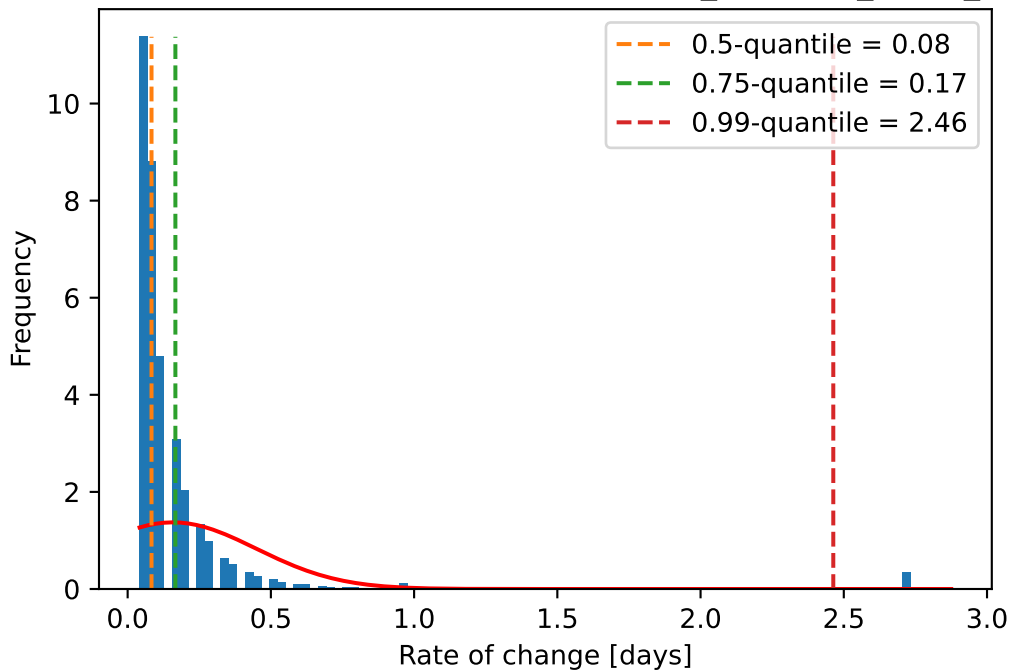- - - 0.75-quantile = 0.42
- - - 0.99-quantile = 2.21

Frequency

Rate of change [days]

Histogram of roc with gaussian fit: rel_air_humidity_mean_GR

- 0.5-quantile = 0.21
- 0.75-quantile = 0.42
- 0.99-quantile = 2.62

Histogram of roc with gaussian fit: windspeed_mean_GR

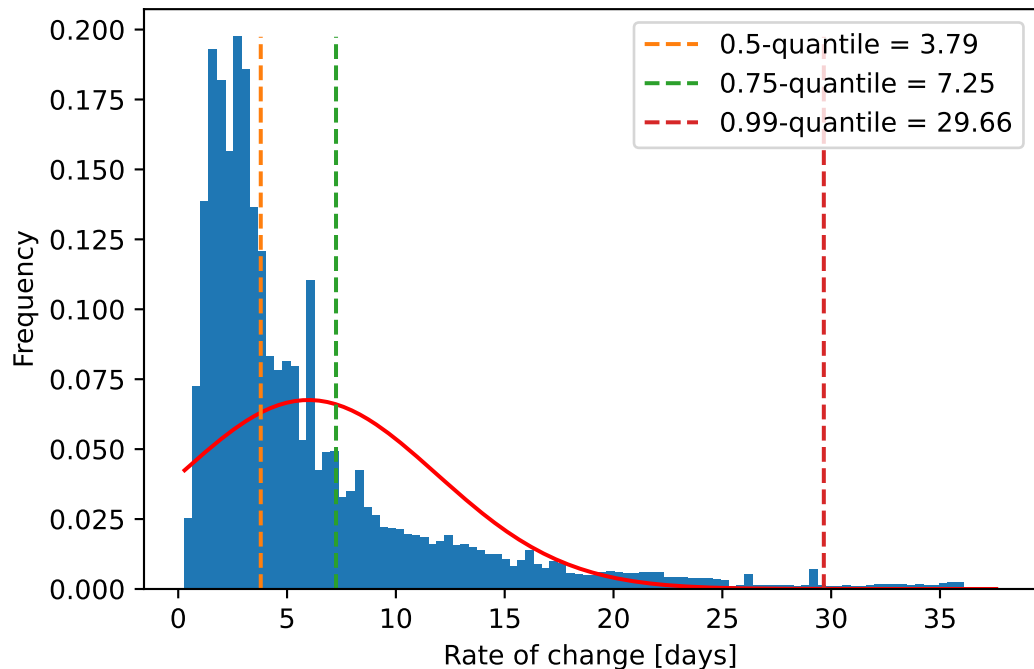- - - 0.5-quantile = 0.12
- - - 0.75-quantile = 0.25
- - - 0.99-quantile = 1.12

Histogram of roc with gaussian fit: windspeed_max_GR

Histogram of roc with gaussian fit: wind_direction_mean_GR

- - - 0.5-quantile = 0.08
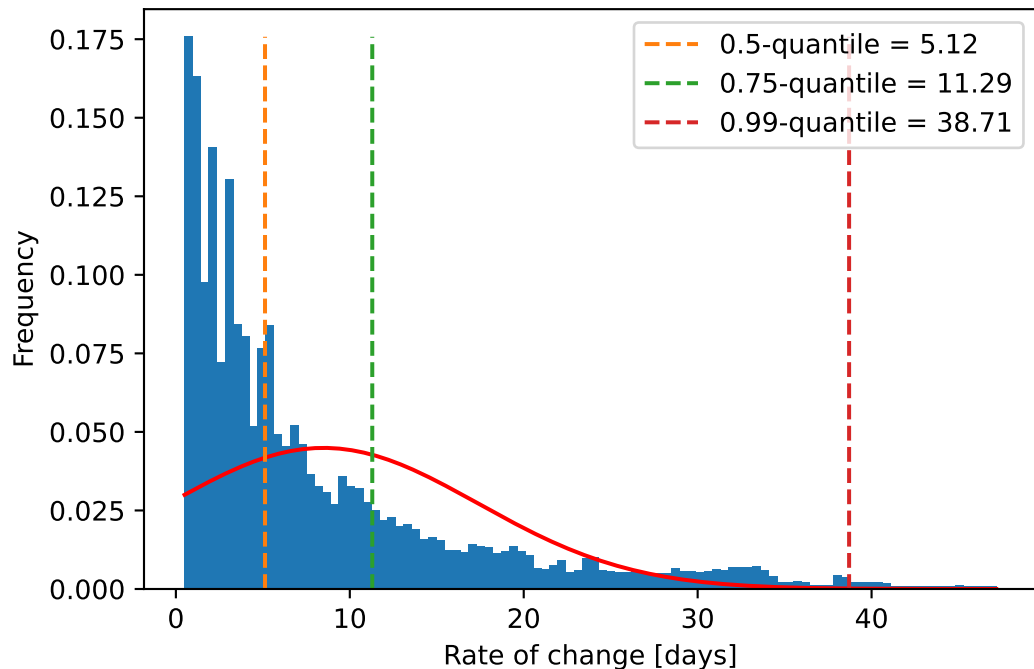- - - 0.75-quantile = 0.17
- - - 0.99-quantile = 2.46

Histogram of roc with gaussian fit: Nitrat

- - - 0.5-quantile = 3.79
- - - 0.75-quantile = 7.25
- - - 0.99-quantile = 29.66

Histogram of roc with gaussian fit: Nitrit

- - - 0.5-quantile = 5.46
- - - 0.75-quantile = 8.92
- - - 0.99-quantile = 32.79
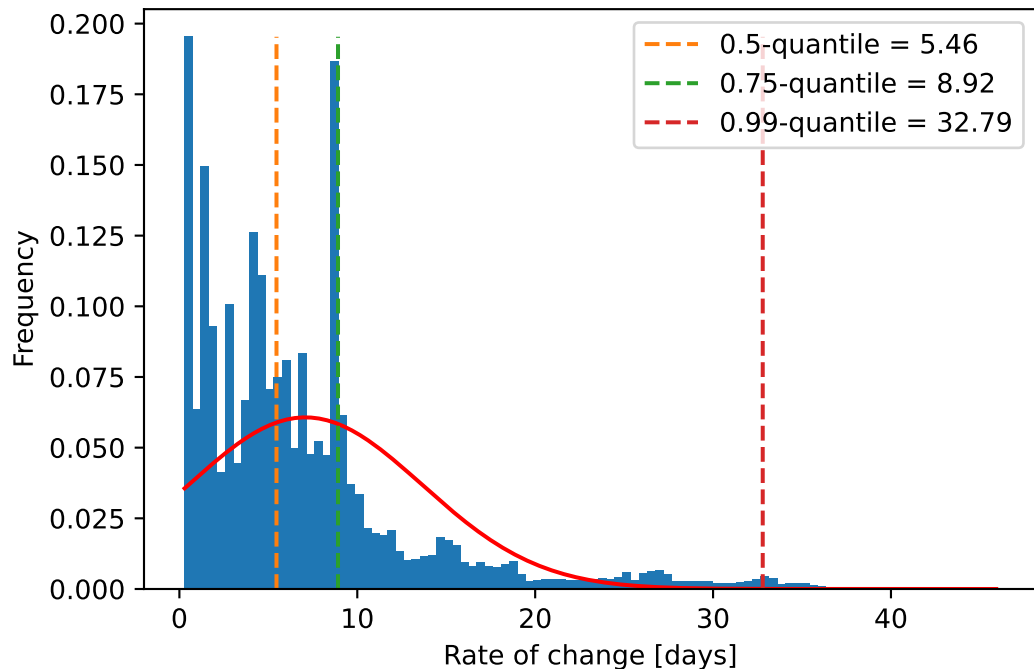
Histogram of roc with gaussian fit: Ammonium
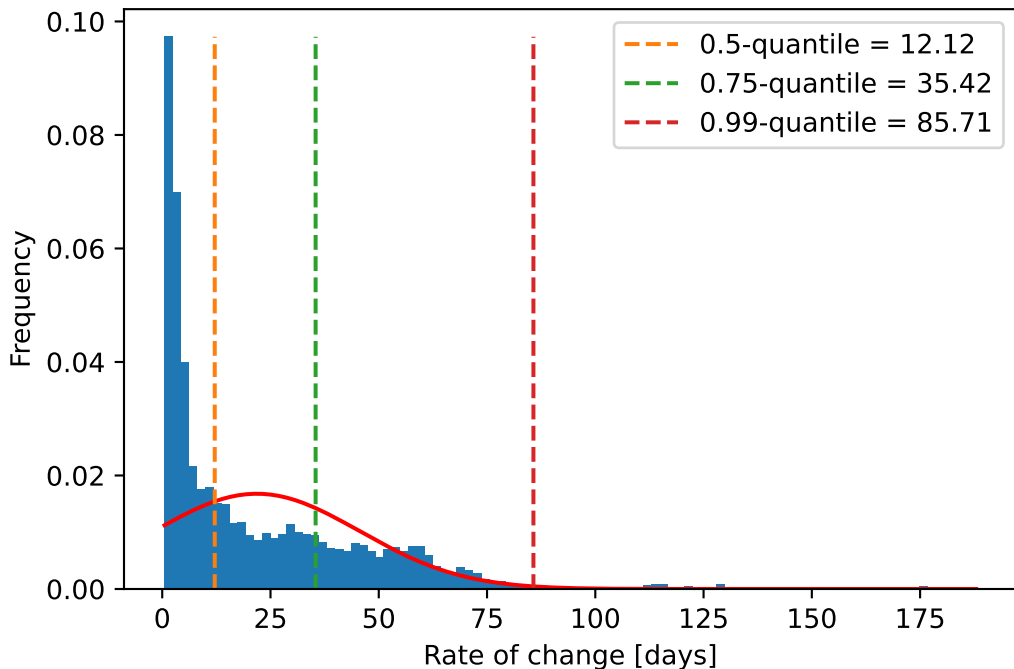
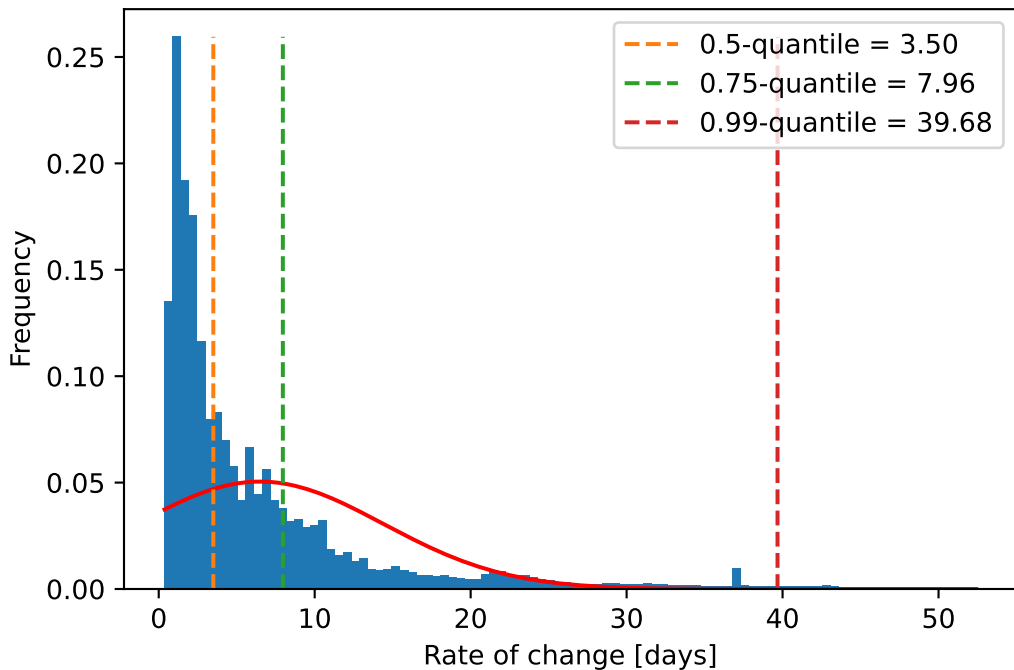- 0.5-quantile = 5.12
- 0.75-quantile = 11.29
- 0.99-quantile = 38.71

Histogram of roc with gaussian fit: oP

Histogram of roc with gaussian fit: TP

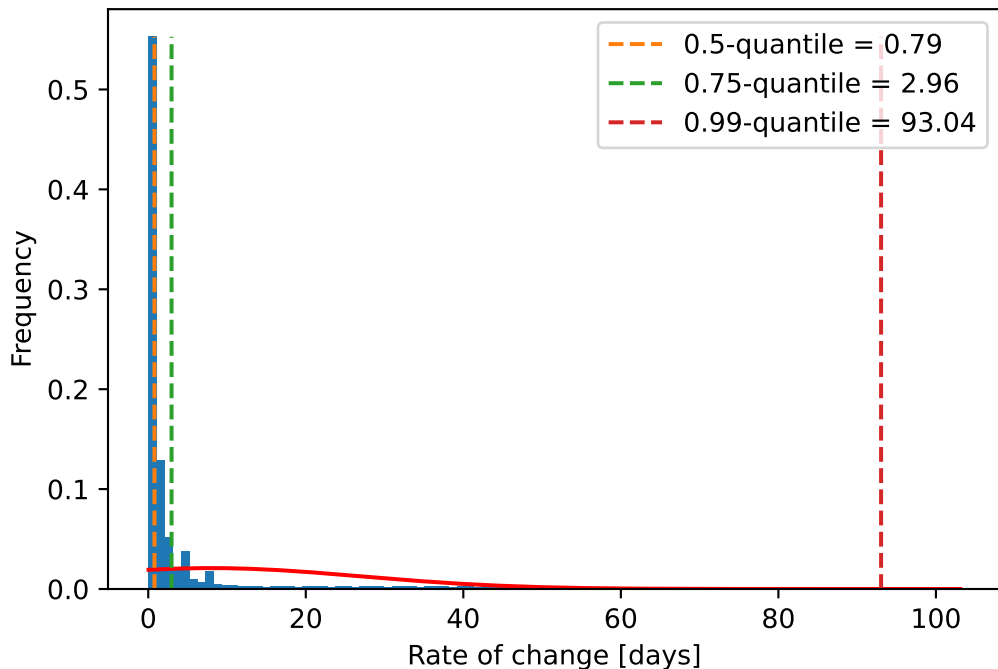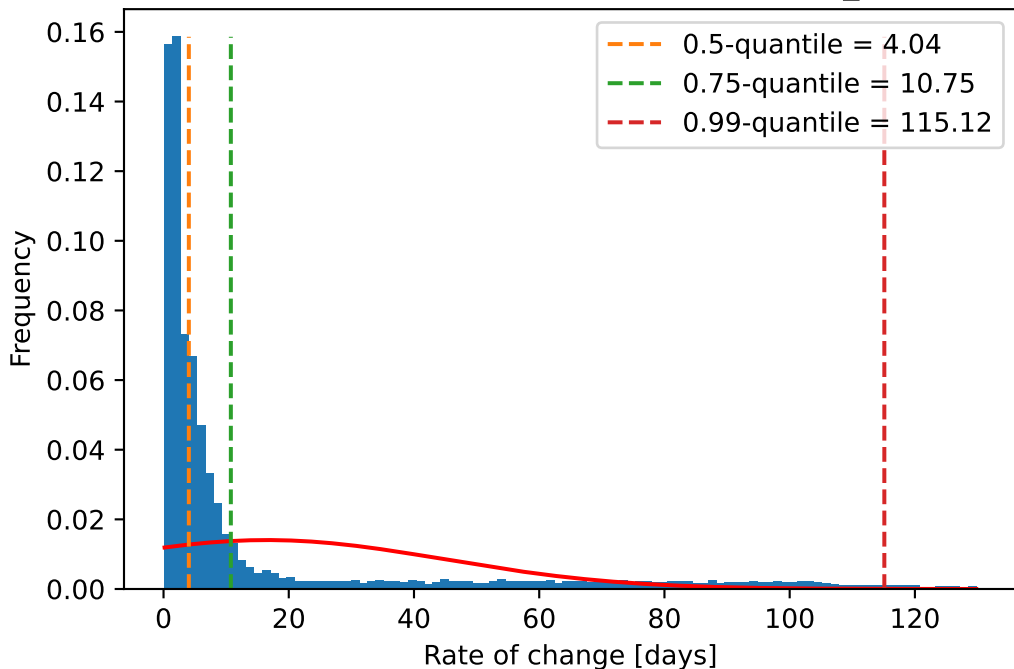- 0.5-quantile = 3.50
- 0.75-quantile = 7.96
- 0.99-quantile = 39.68

Histogram of roc with gaussian fit: TN

- 0.5-quantile = 2.75
- 0.75-quantile = 5.58
- 0.99-quantile = 26.29
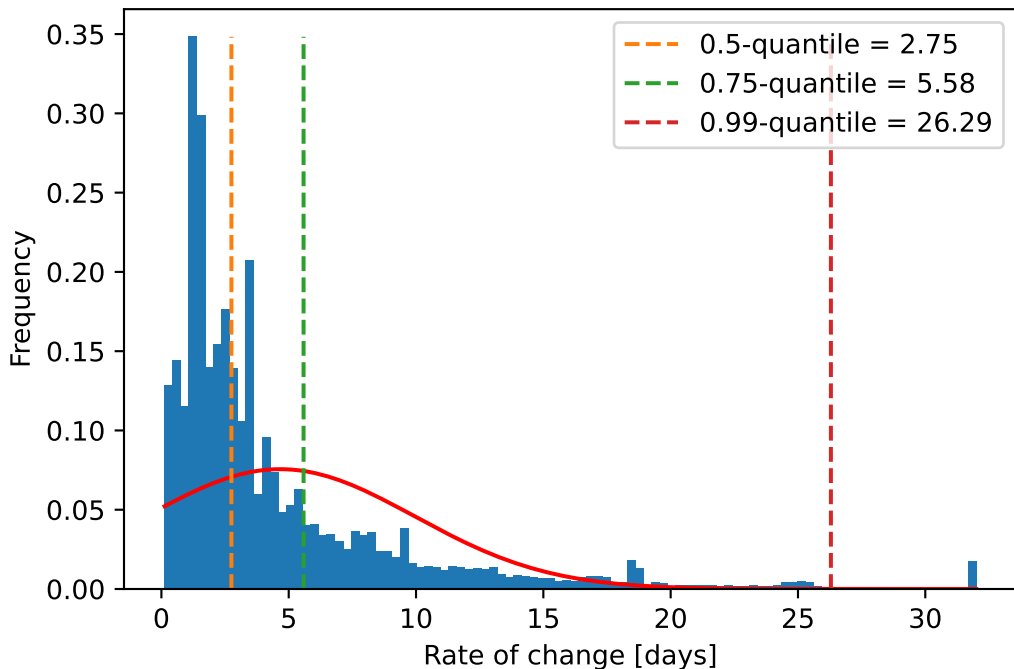
Histogram of roc with gaussian fit: thermocline

- - - 0.5-quantile = 0.79
- - - 0.75-quantile = 2.96
- - - 0.99-quantile = 93.04

Histogram of roc with gaussian fit: schmidt_stability

- - - 0.5-quantile = 4.04
- - - 0.75-quantile = 10.75
- - - 0.99-quantile = 115.12

Histogram of roc with gaussian fit: epi_temp

- - - 0.5-quantile = 2.71
- - - 0.75-quantile = 5.83
- - - 0.99-quantile = 27.25
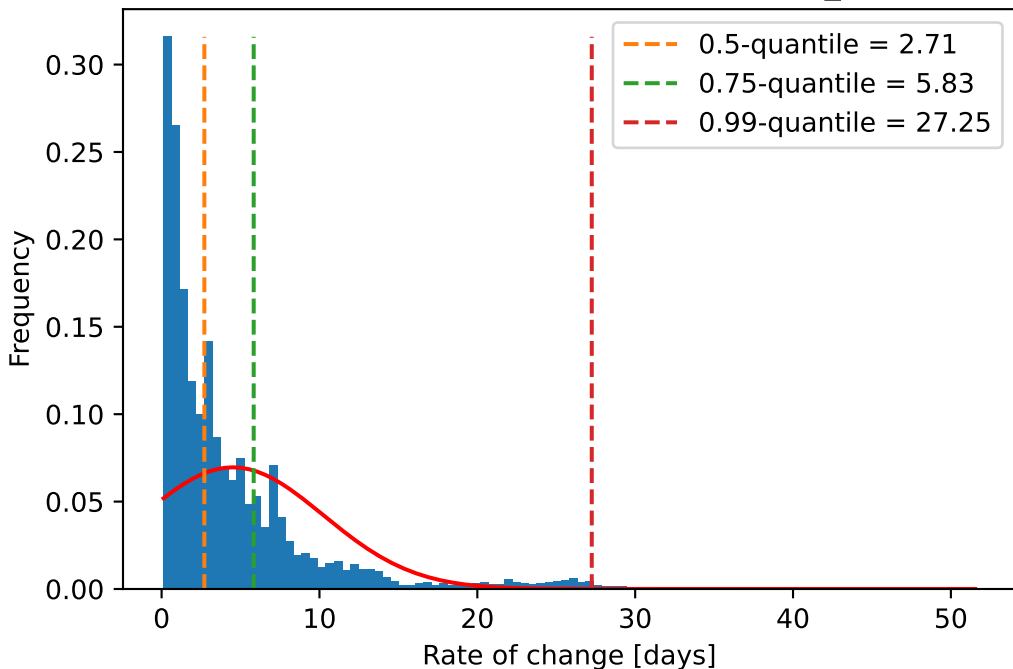
Histogram of roc with gaussian fit: mixed_layer_depth

0.5-quantile = 0.58	
0.75-quantile = 1.12	
0.99-quantile = 6.08	
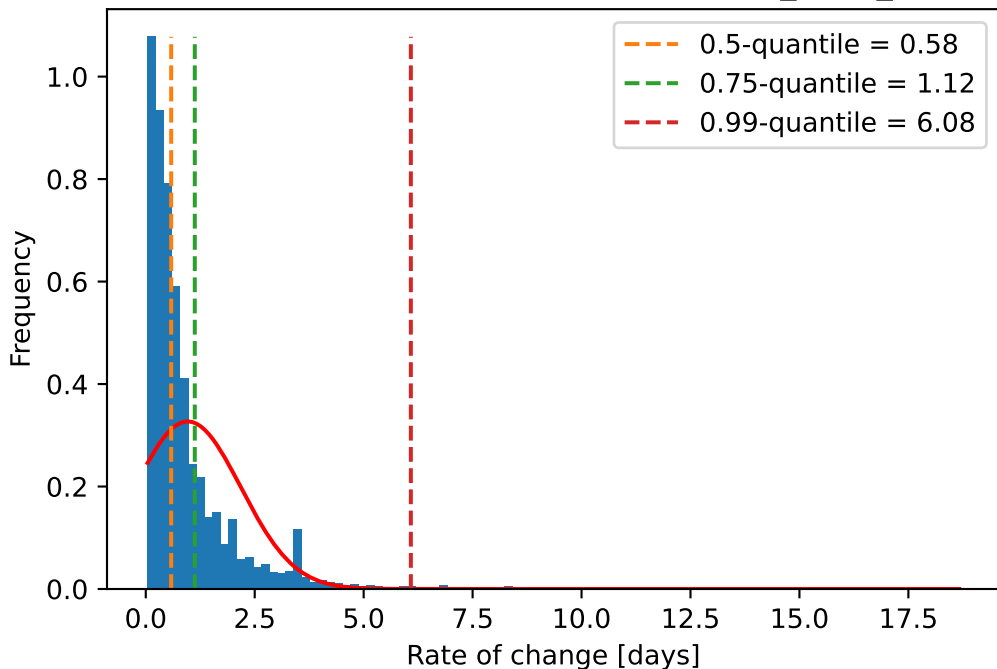
Histogram of roc with gaussian fit: ml_irradiance

- 0.5-quantile = 0.38
- 0.75-quantile = 1.17
- 0.99-quantile = 13.50
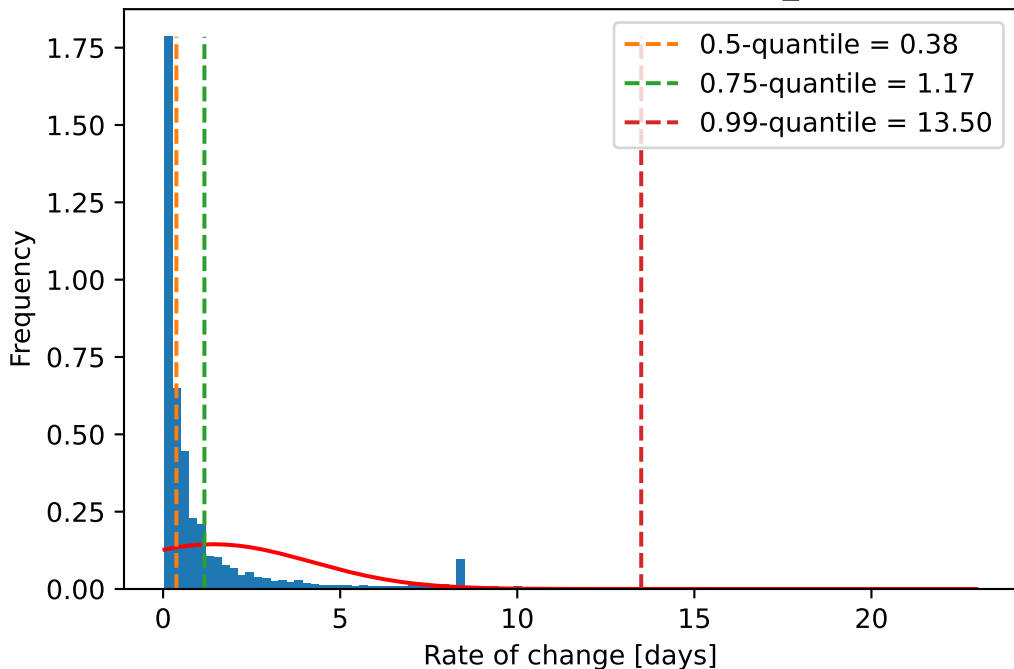
Histogram of roc with gaussian fit: oxycline_depth

0.5-quantile = 3.92
0.75-quantile = 37.33
0.99-quantile = 160.45
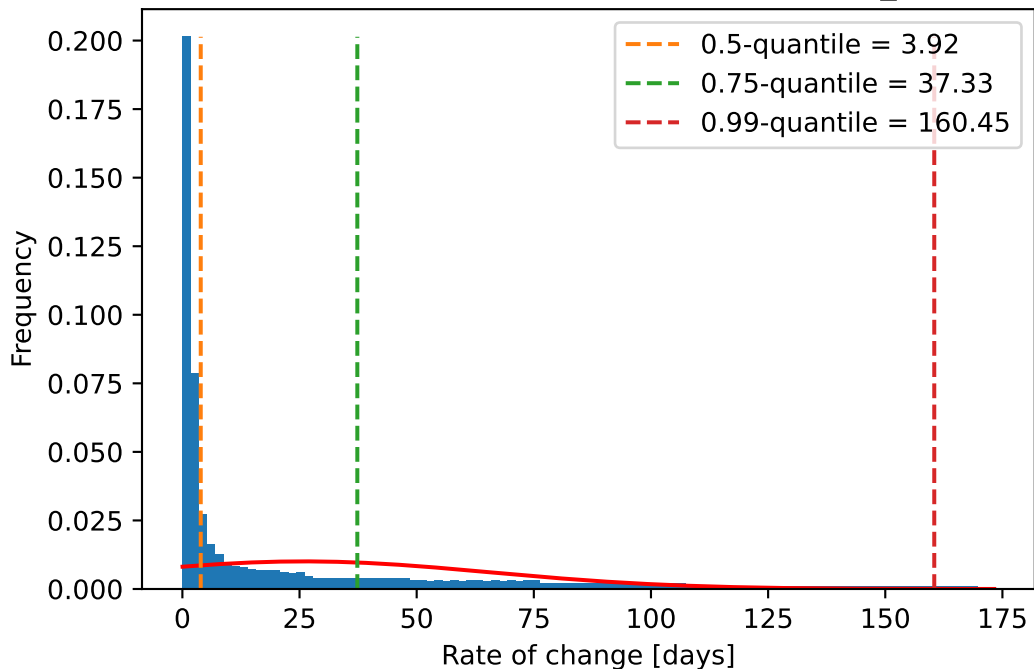
Histogram of roc with gaussian fit: asplanchna

0.5-quantile = 0.58
0.75-quantile = 1.71
0.99-quantile = 16.63
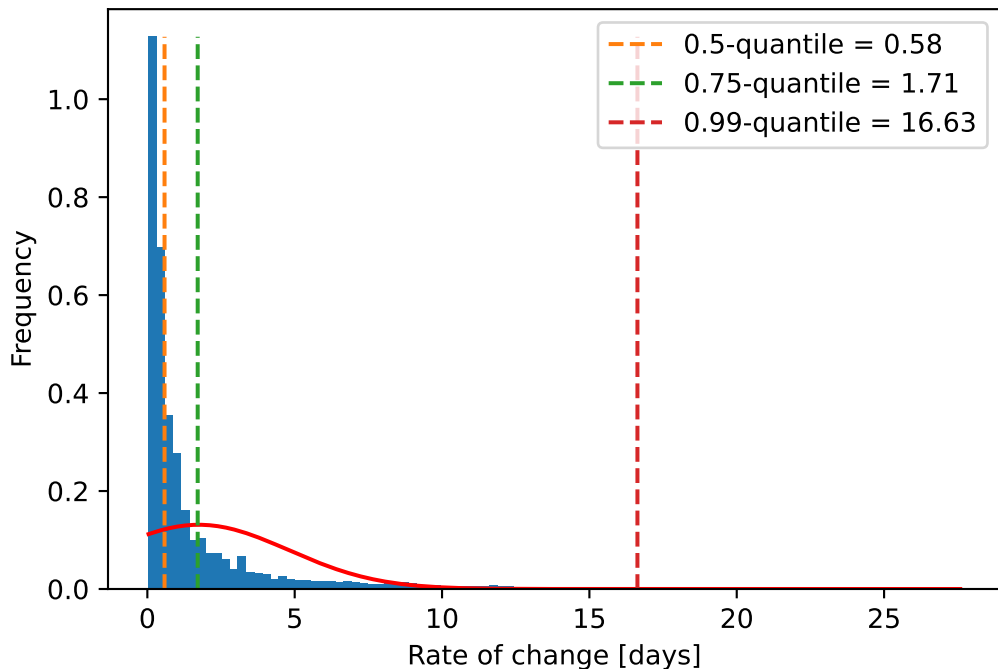
Histogram of roc with gaussian fit: asterionella

- 0.5-quantile = 65.46
- 0.75-quantile = 179.09
- 0.99-quantile = 399.40
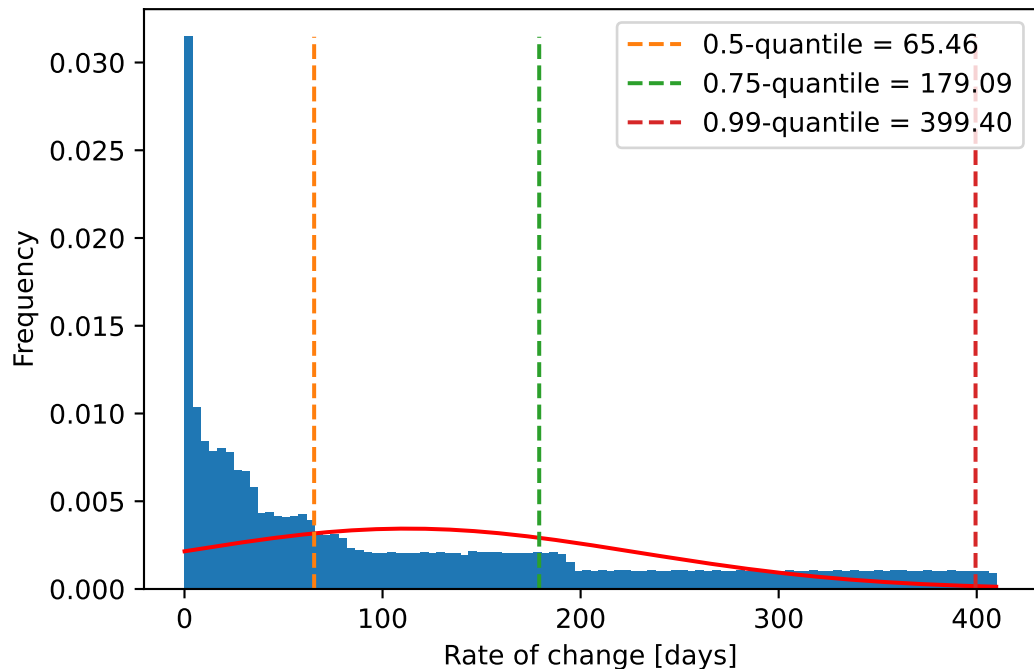
Histogram of roc with gaussian fit: brachionus

0.5-quantile = 0.71
0.75-quantile = 1.88
0.99-quantile = 17.92

Histogram of roc with gaussian fit: diatom_chain

0.5-quantile = 1.08
0.75-quantile = 5.92
0.99-quantile = 48.88
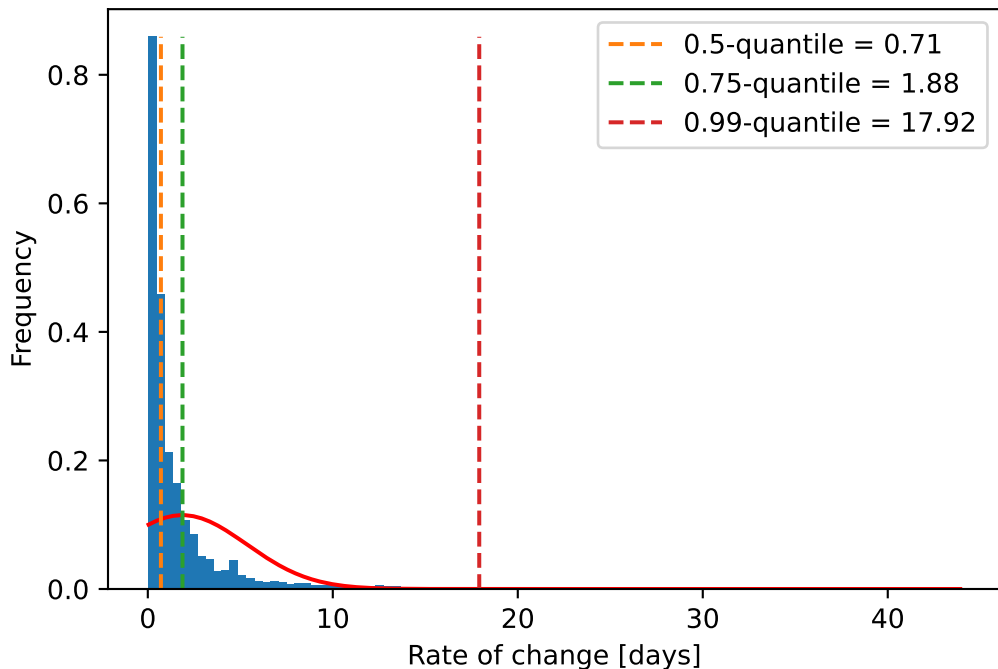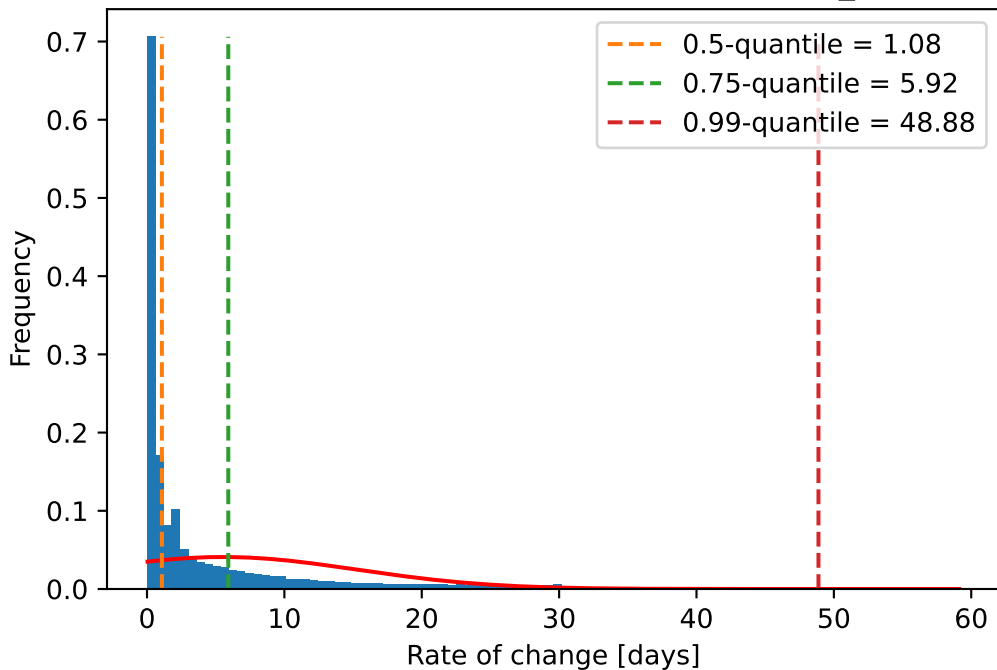
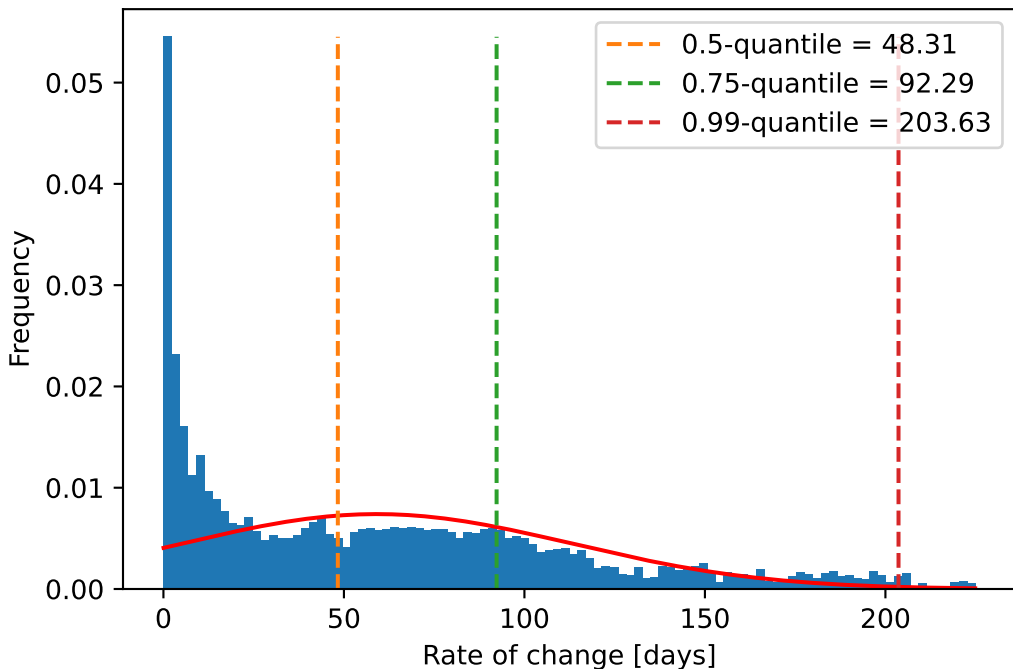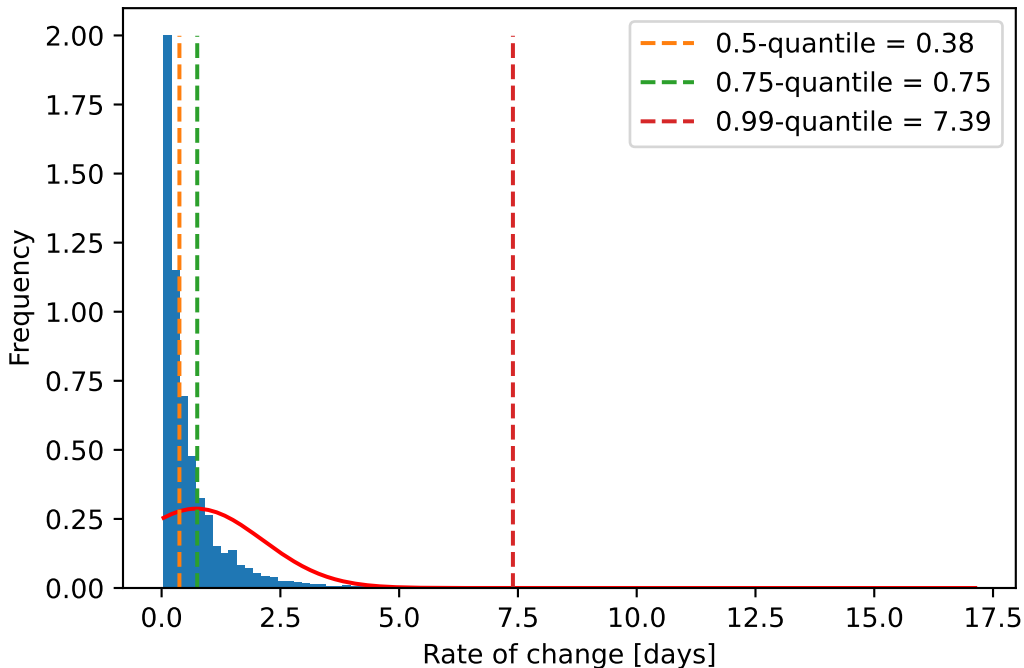Histogram of roc with gaussian fit: dinobryon

Histogram of roc with gaussian fit: dirt

- 0.5-quantile = 2.54
- 0.75-quantile = 9.17
- 0.99-quantile = 57.68
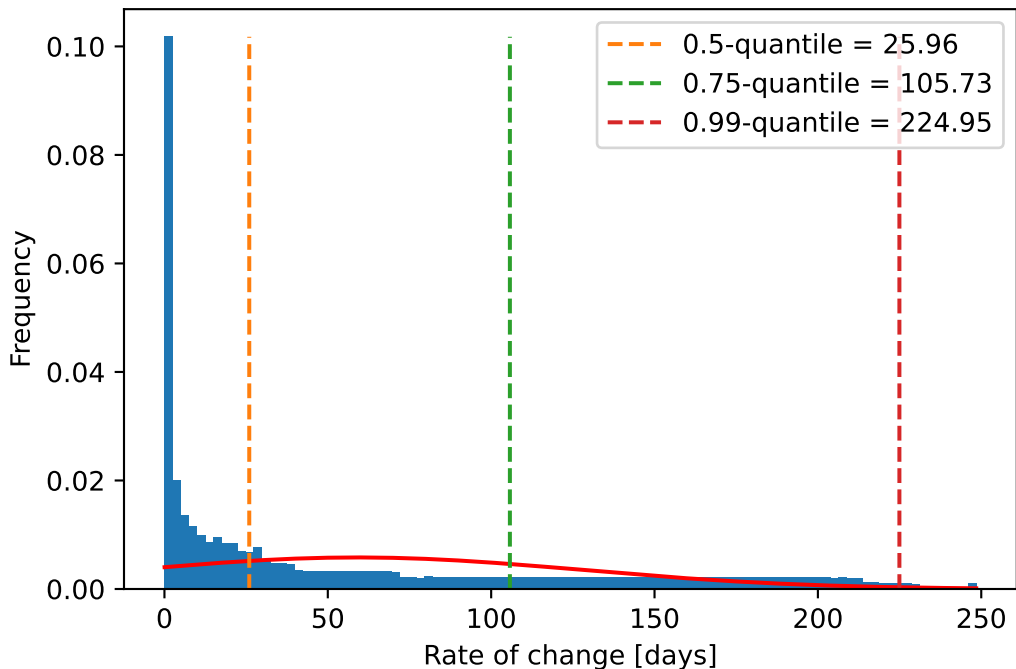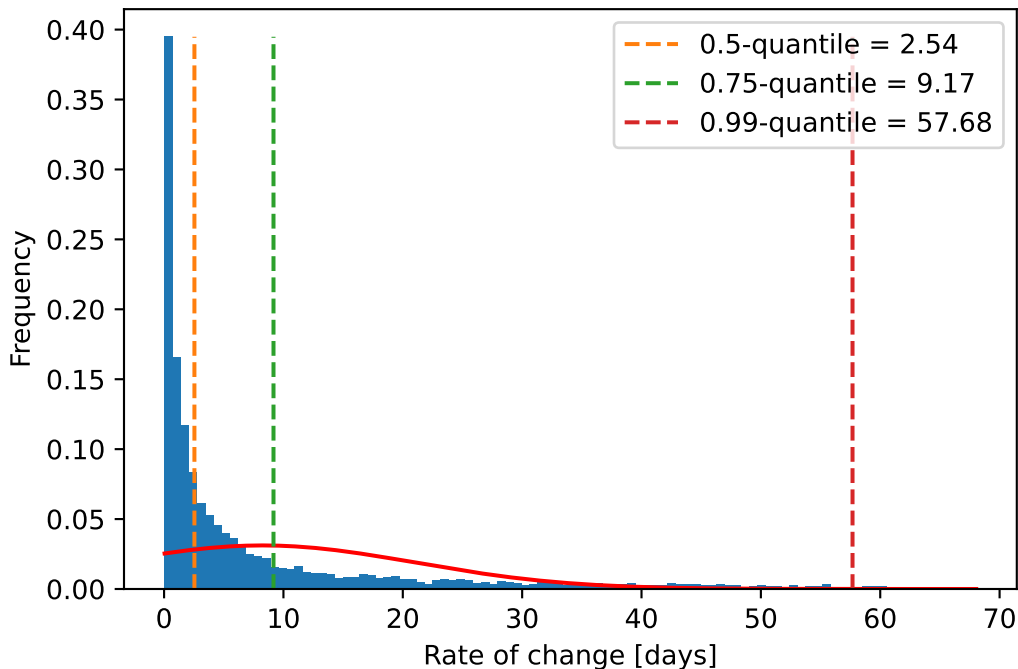
Histogram of roc with gaussian fit: eudiaptomus

- 0.5-quantile = 0.21
- 0.75-quantile = 0.38
- 0.99-quantile = 2.50
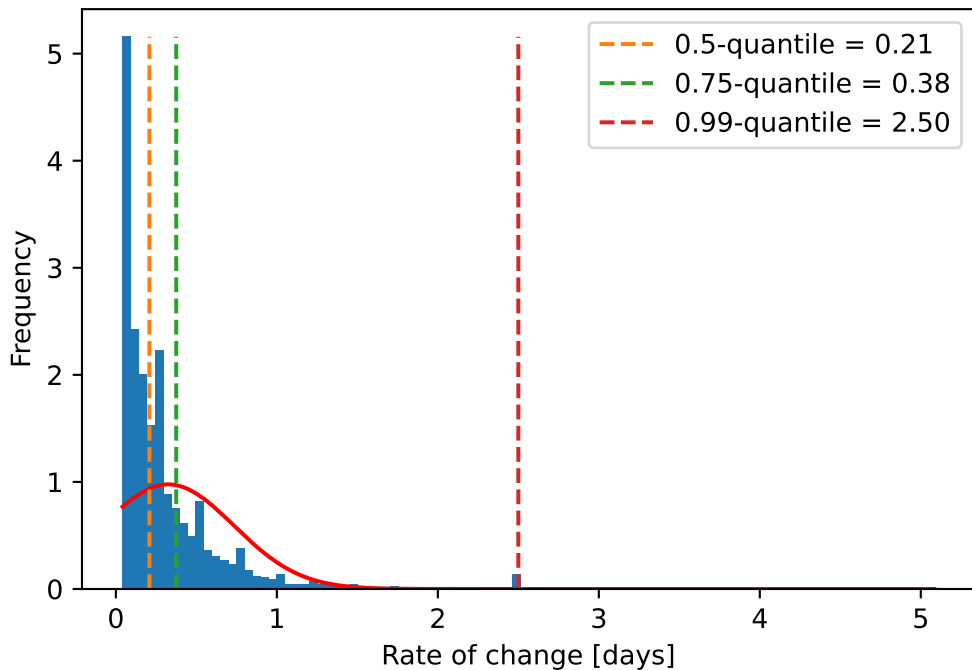
Histogram of roc with gaussian fit: filament

0.5-quantile = 48.31
0.75-quantile = 92.29
0.99-quantile = 203.63

Histogram of roc with gaussian fit: kellikottia

- 0.5-quantile = 0.38
- 0.75-quantile = 0.75
- 0.99-quantile = 7.39

Histogram of roc with gaussian fit: keratella_quadrata

0.5-quantile = 0.62
0.75-quantile = 1.50
0.99-quantile = 9.54
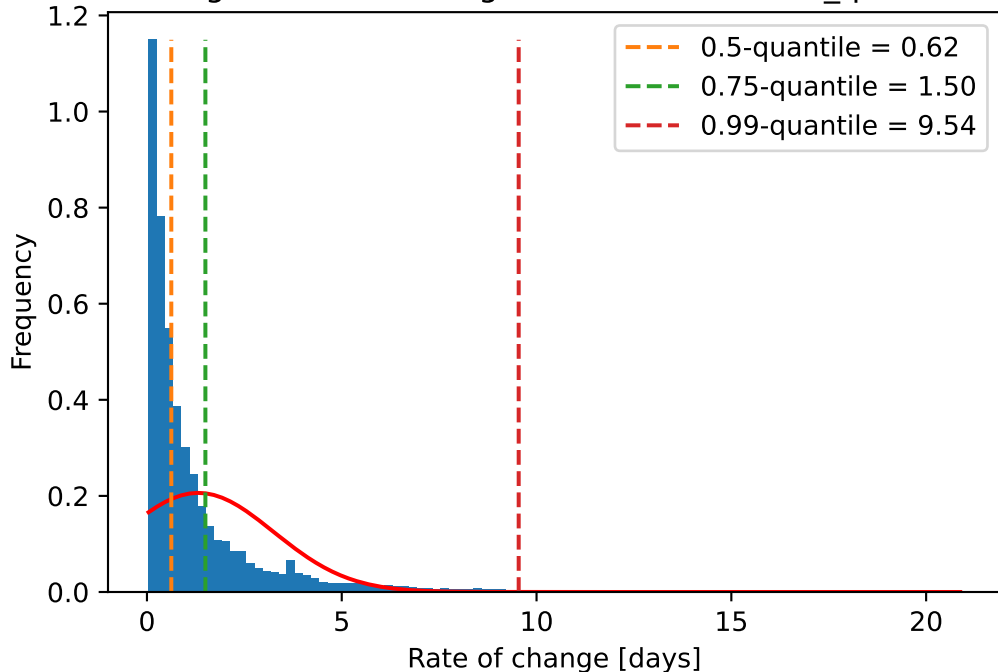
Histogram of roc with gaussian fit: maybe_cyano

- - - 0.5-quantile = 34.79
- - - 0.75-quantile = 95.29
- - - 0.99-quantile = 212.42
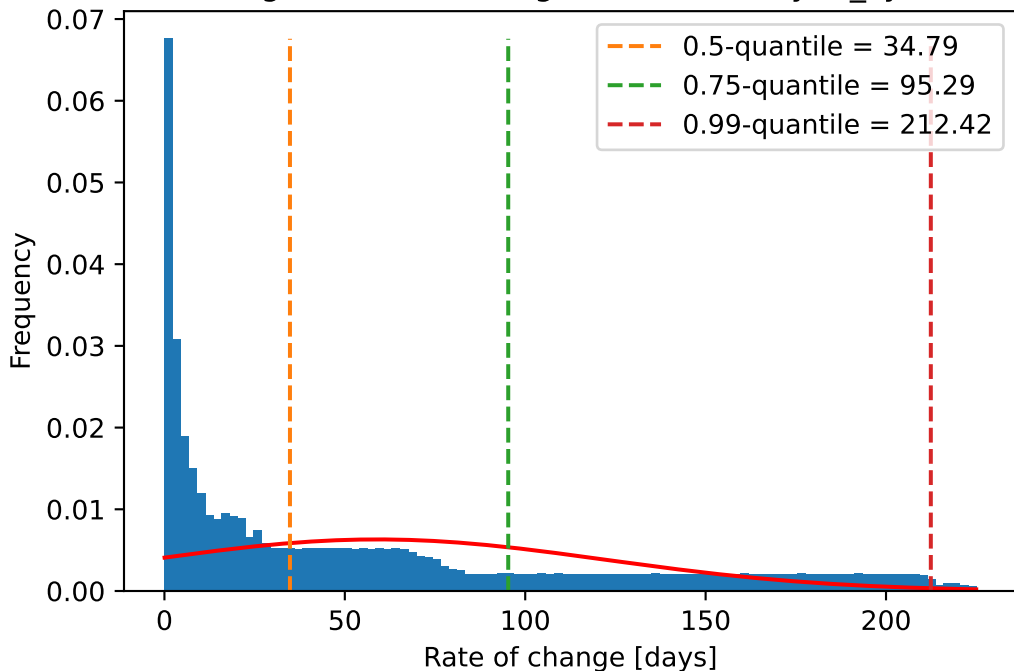
Histogram of roc with gaussian fit: nauplius

0.5-quantile = 0.54	
0.75-quantile = 1.42	
0.99-quantile = 14.29	
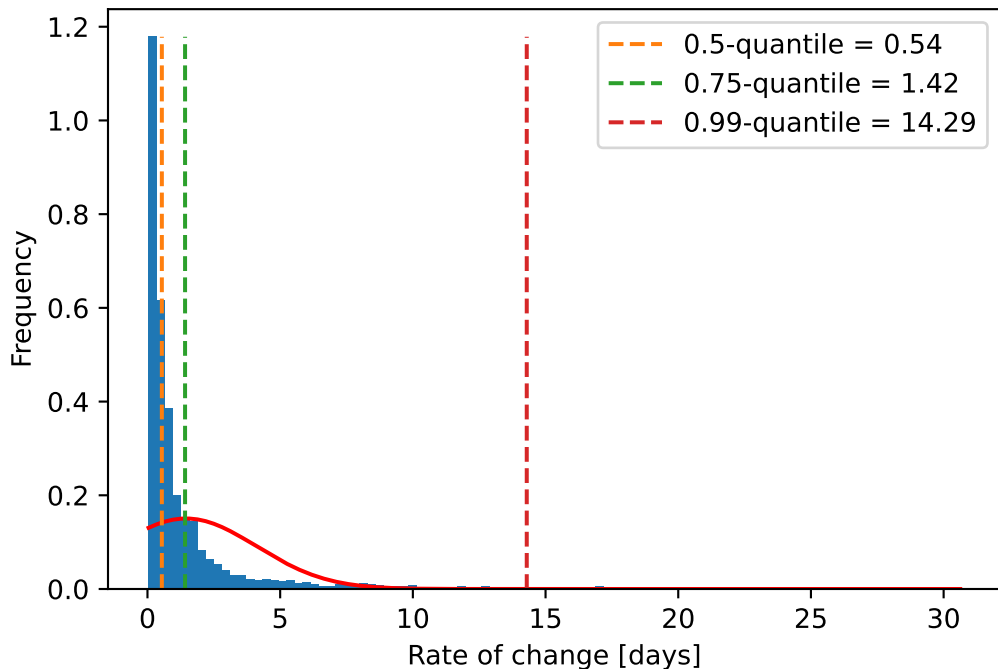
Histogram of roc with gaussian fit: polyarthra

- 0.5-quantile = 2.29
- 0.75-quantile = 14.54
- 0.99-quantile = 79.06
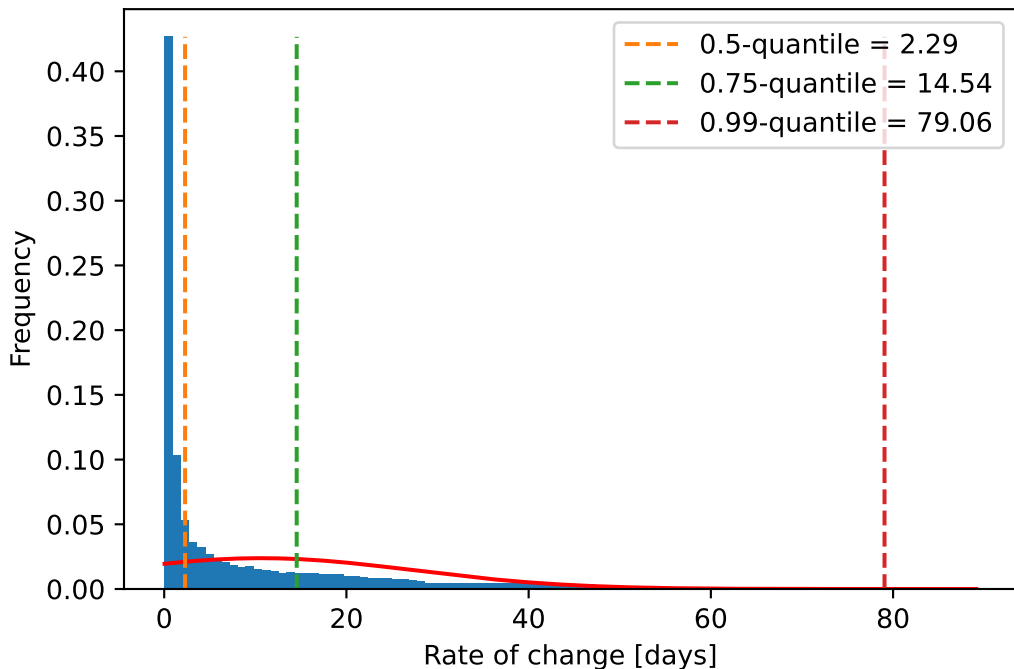
Histogram of roc with gaussian fit: rotifers

0.5-quantile = 0.75	
0.75-quantile = 2.96	
0.99-quantile = 73.96	
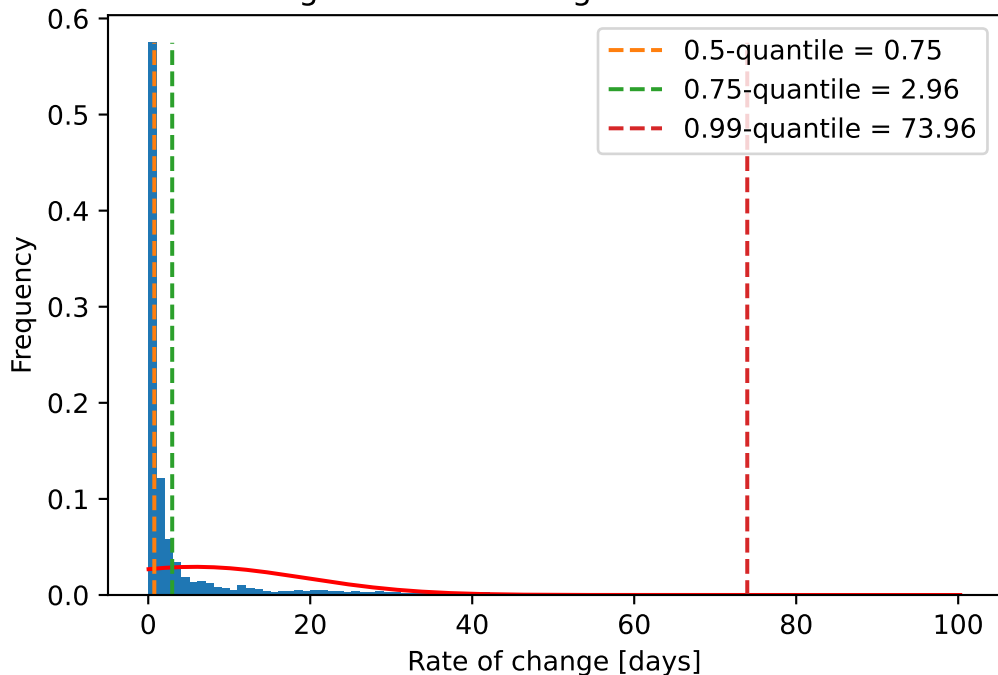
Histogram of roc with gaussian fit: synchaeta

- 0.5-quantile = 0.83
- 0.75-quantile = 3.46
- 0.99-quantile = 31.90

Histogram of roc with gaussian fit: unknown

- 0.5-quantile = 1.38
- 0.75-quantile = 5.38
- 0.99-quantile = 39.25
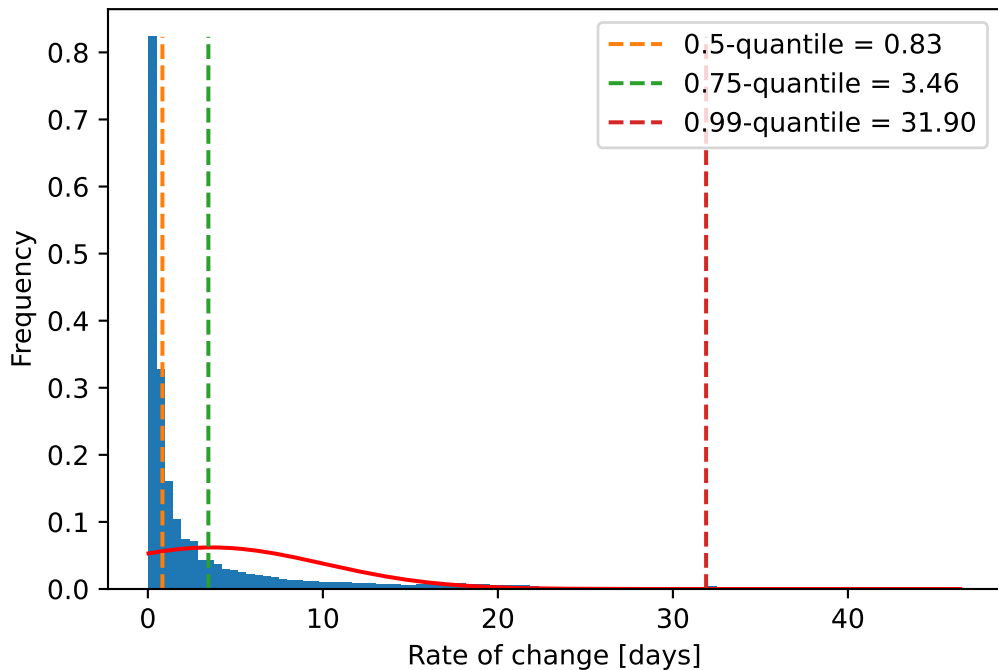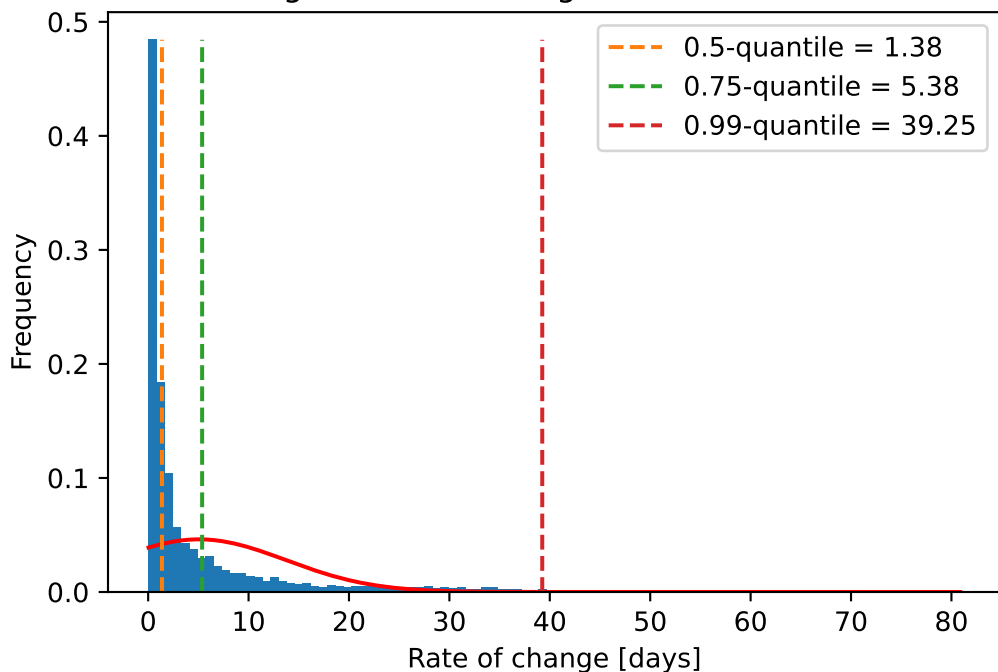
Histogram of roc with gaussian fit: unknown_plankton

Legend:
- 0.5-quantile = 0.25
- 0.75-quantile = 0.50
- 0.99-quantile = 3.33

X-axis: Rate of change [days]
Y-axis: Frequency
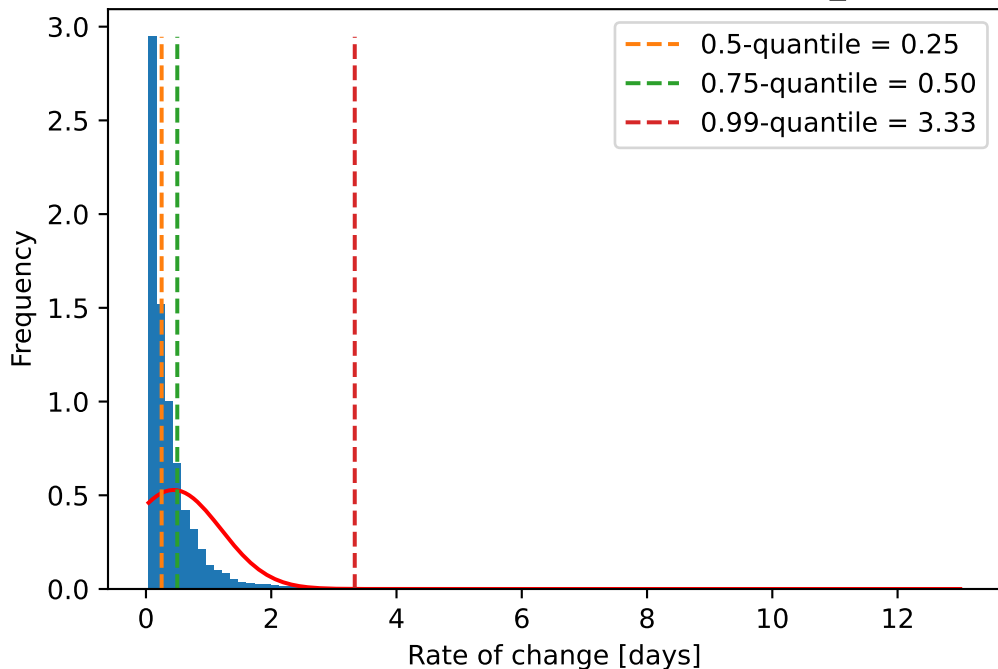
Histogram of roc with gaussian fit: ceratium

- 0.5-quantile = 2.29
- 0.75-quantile = 12.88
- 0.99-quantile = 76.34
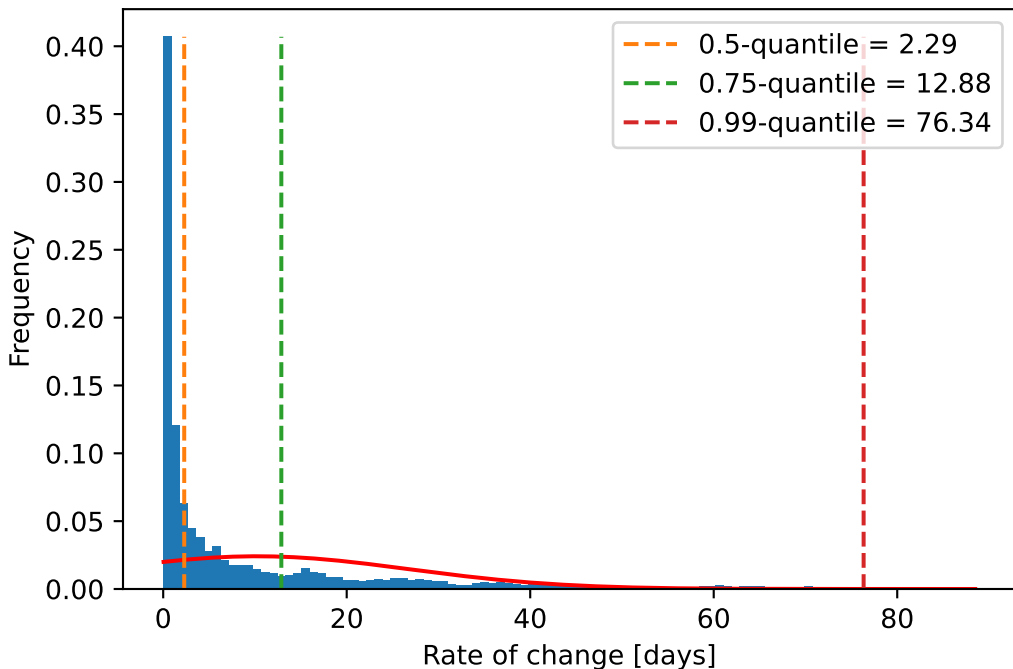
Histogram of roc with gaussian fit: cyclops

Histogram of roc with gaussian fit: fragilaria
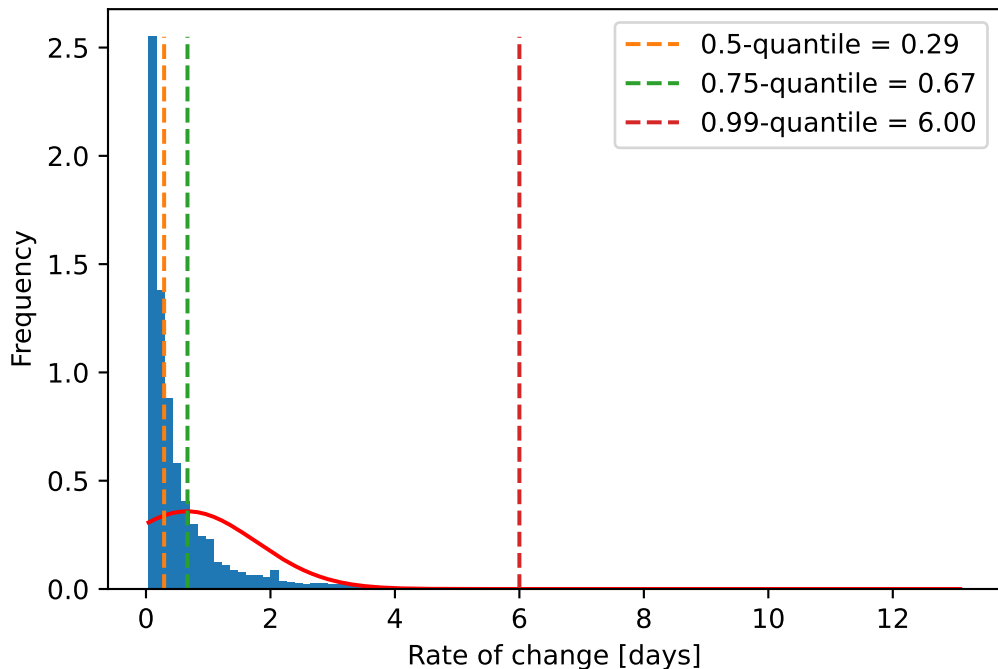
- 0.5-quantile = 46.17
- 0.75-quantile = 134.48
- 0.99-quantile = 250.71
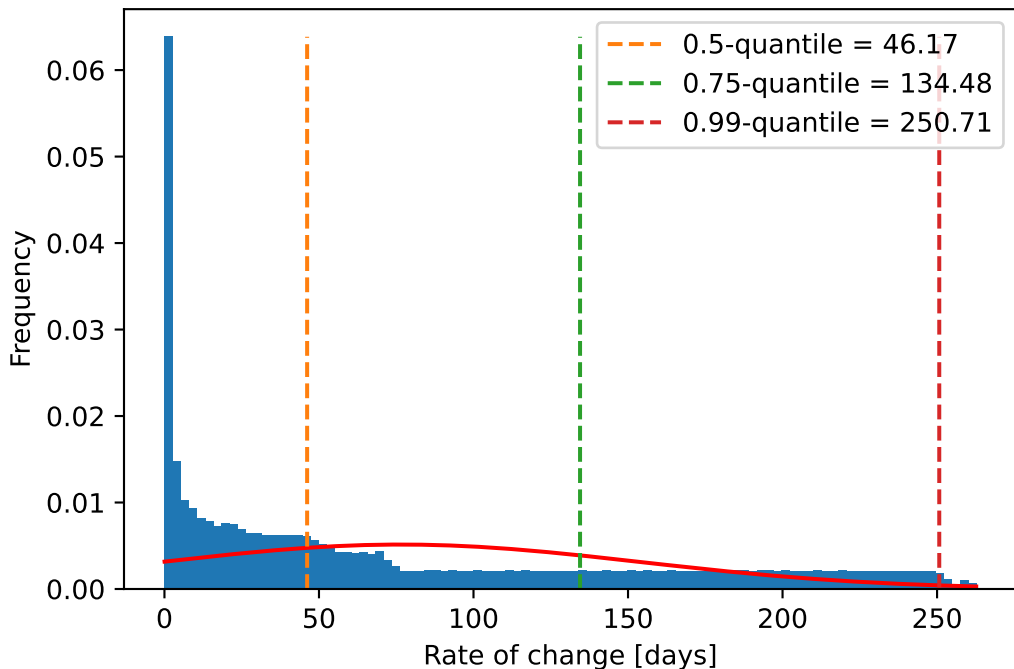
Histogram of roc with gaussian fit: keratella_cochlearis

0.5-quantile = 1.83
0.75-quantile = 5.42
0.99-quantile = 81.50
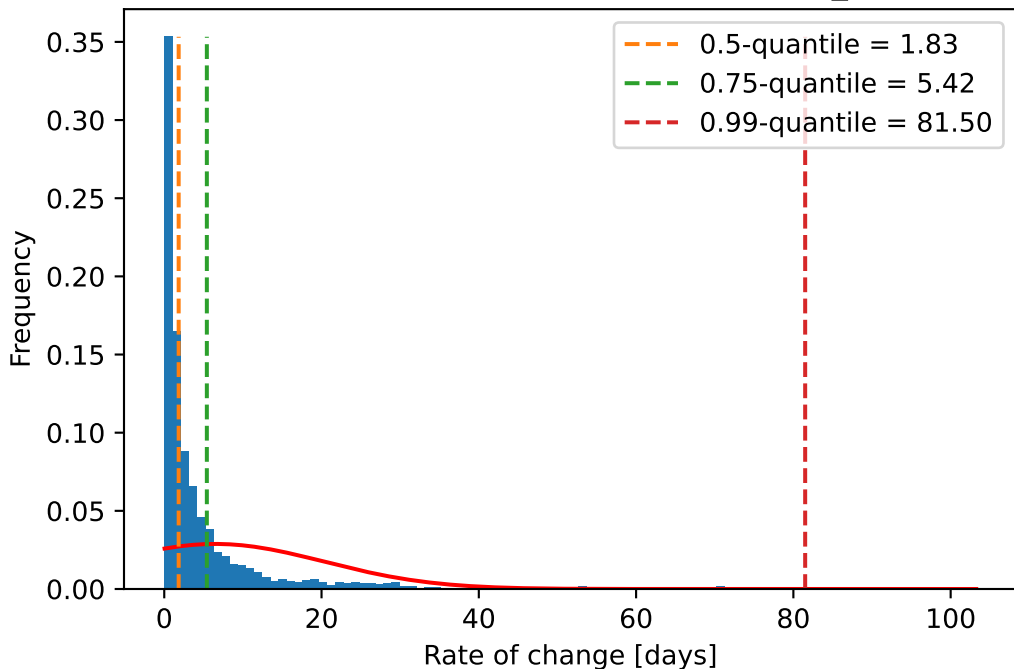
Histogram of roc with gaussian fit: paradileptus

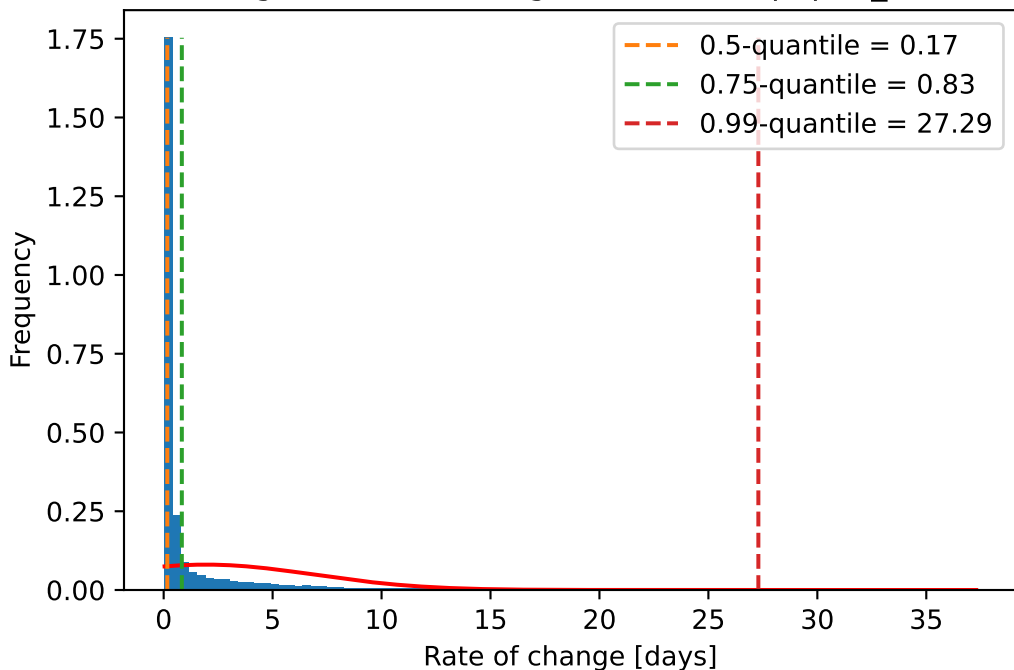0.5-quantile = 1.42
0.75-quantile = 5.29
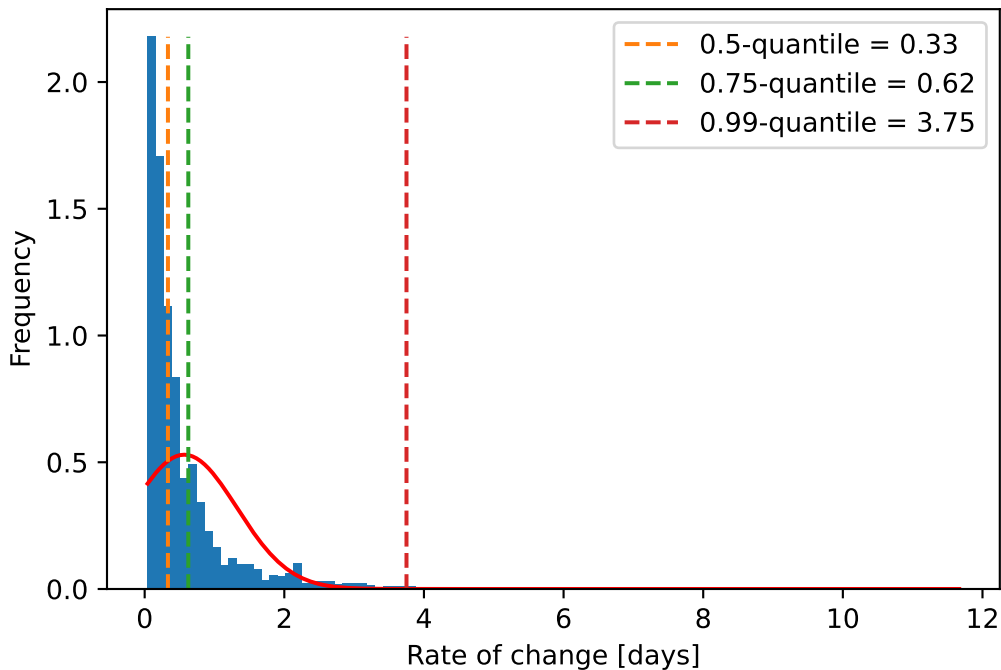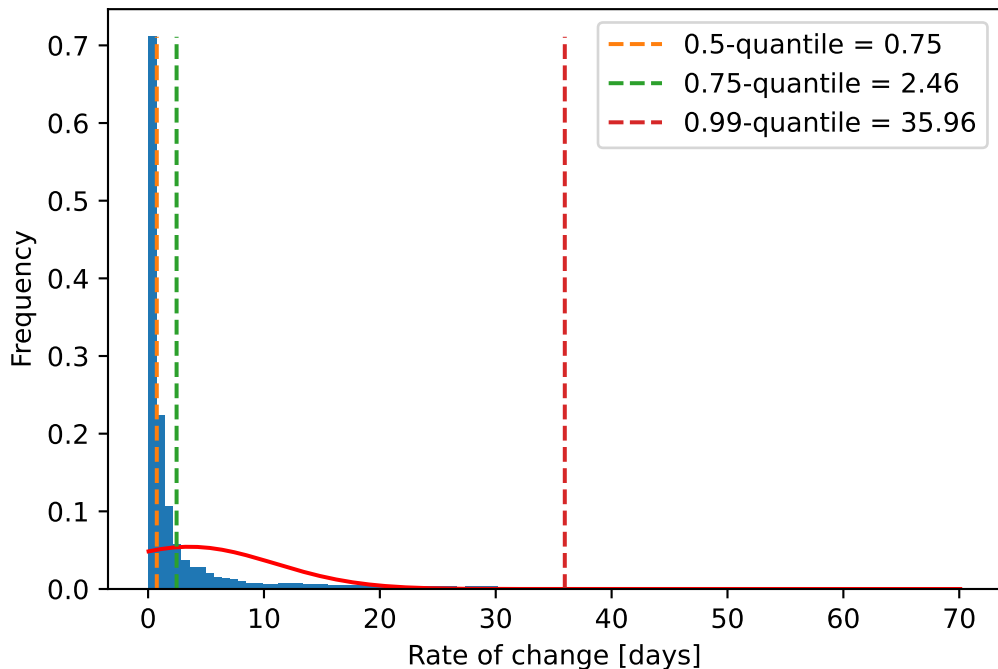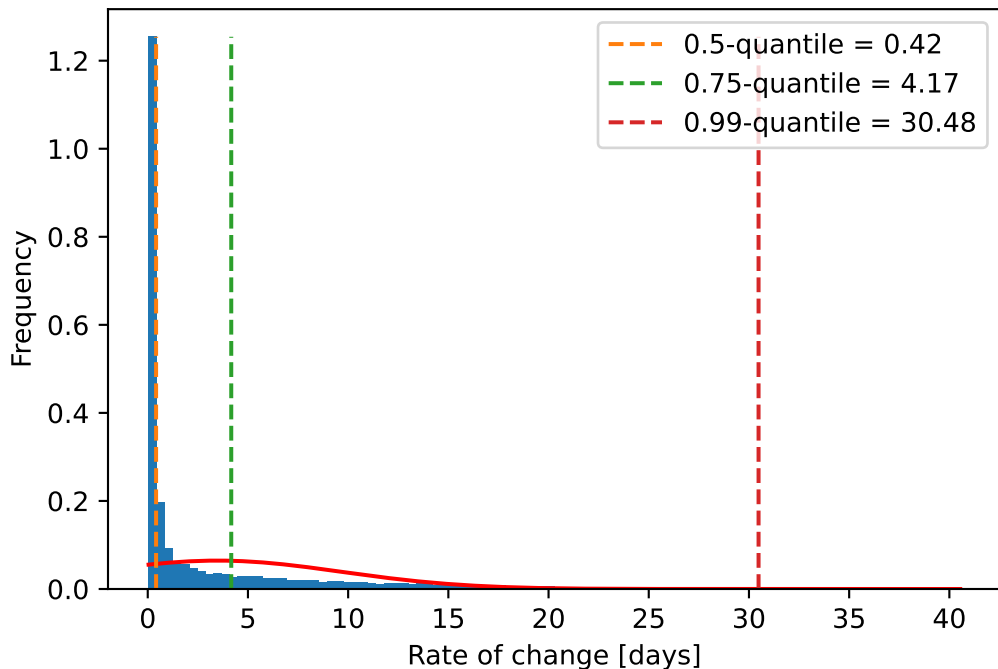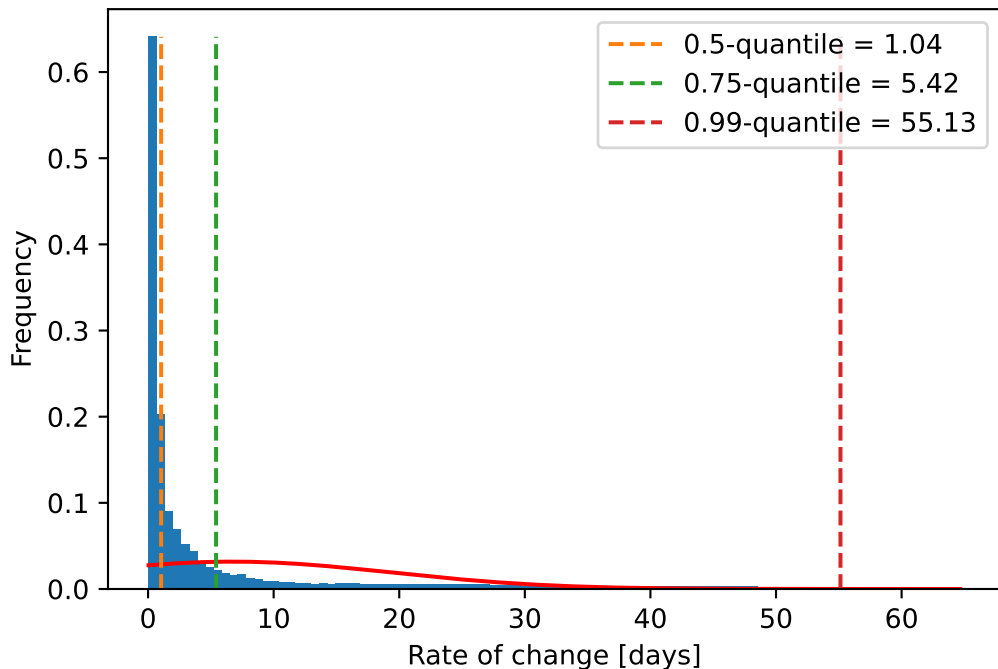0.99-quantile = 44.77
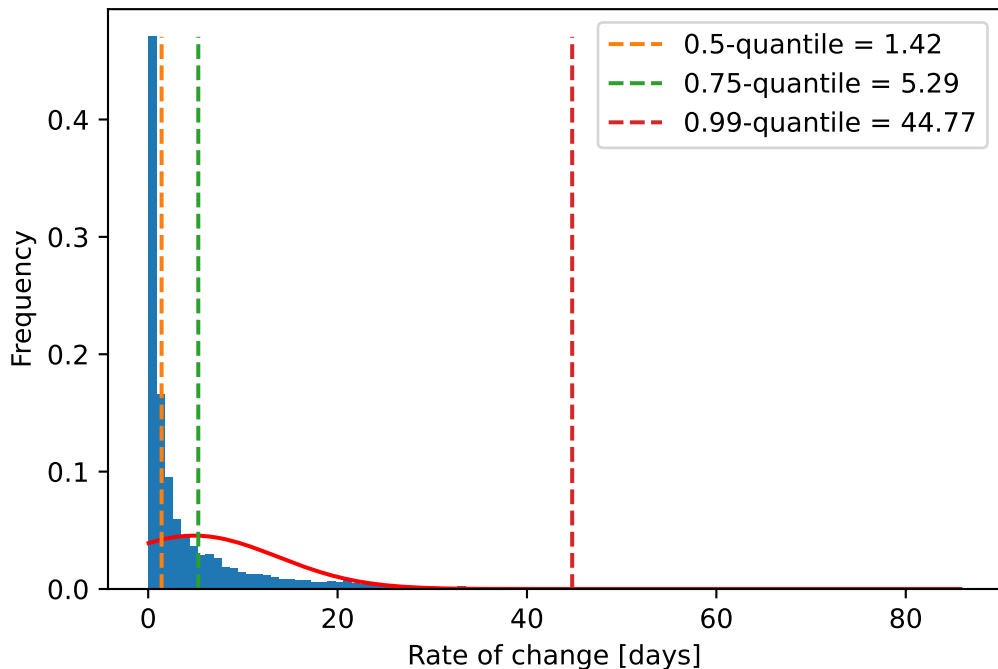
Histogram of roc with gaussian fit: bosmina
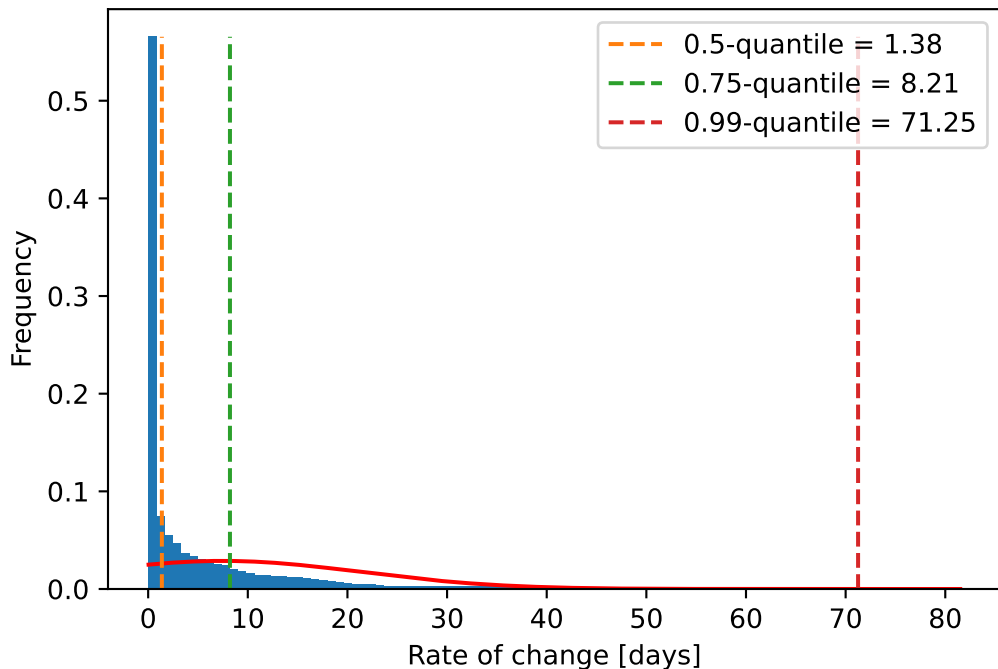
Histogram of roc with gaussian fit: copepod_skins

Histogram of roc with gaussian fit: daphnia

Histogram of roc with gaussian fit: trichocerca

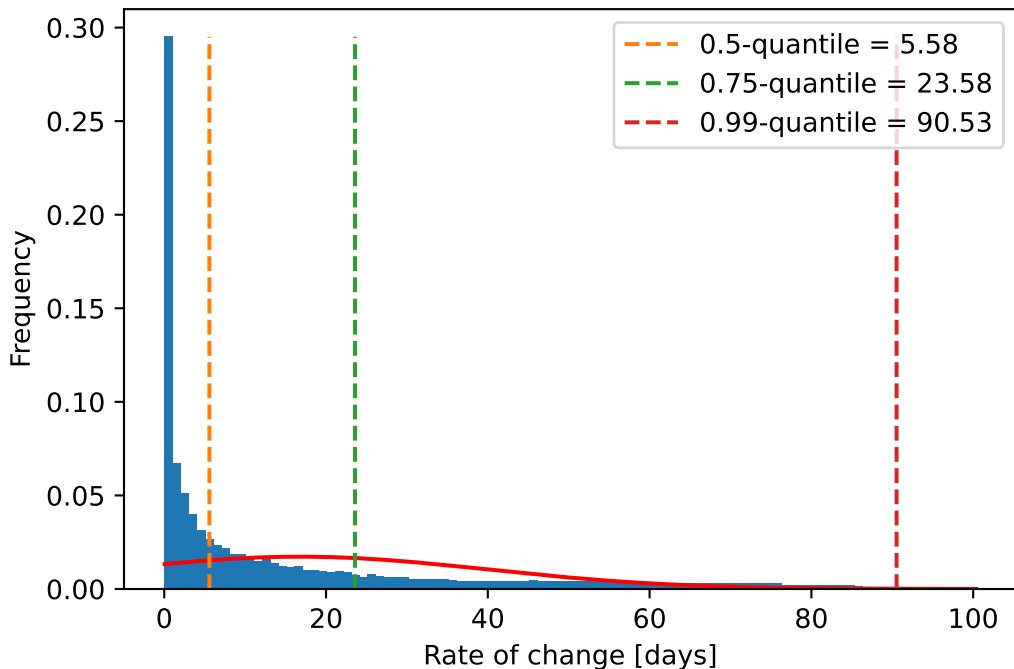|	
0.5-quantile = 0.75	
0.75-quantile = 2.46	
0.99-quantile = 35.96	

Histogram of roc with gaussian fit: conochilus

Legend:
- 0.5-quantile = 0.42
- 0.75-quantile = 4.17
- 0.99-quantile = 30.48

Histogram of roc with gaussian fit: diaphanosoma

- 0.5-quantile = 1.04
- 0.75-quantile = 5.42
- 0.99-quantile = 55.13

Histogram of roc with gaussian fit: fish

- 0.5-quantile = 5.58
- 0.75-quantile = 23.58
- 0.99-quantile = 90.53

Histogram of roc with gaussian fit: uroglena

0.5-quantile = 67.62
0.75-quantile = 168.69
0.99-quantile = 307.84
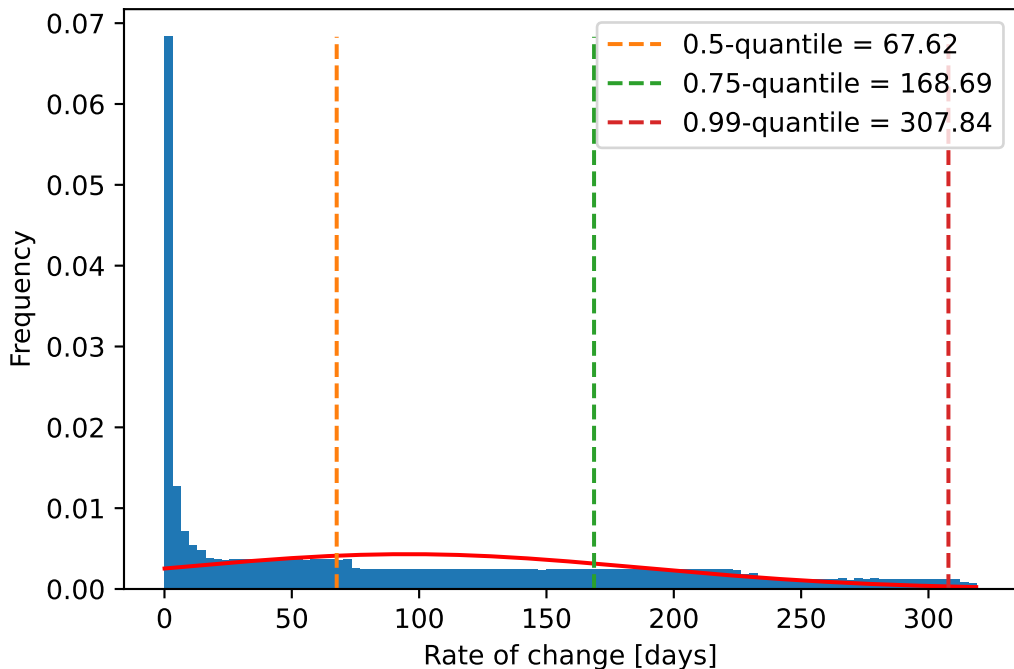
Histogram of roc with gaussian fit: leptodora

0.5-quantile = 1.54
0.75-quantile = 9.21
0.99-quantile = 65.59

Histogram of roc with gaussian fit: daphnia_skins

- 0.5-quantile = 0.12
- 0.75-quantile = 0.33
- 0.99-quantile = 11.67
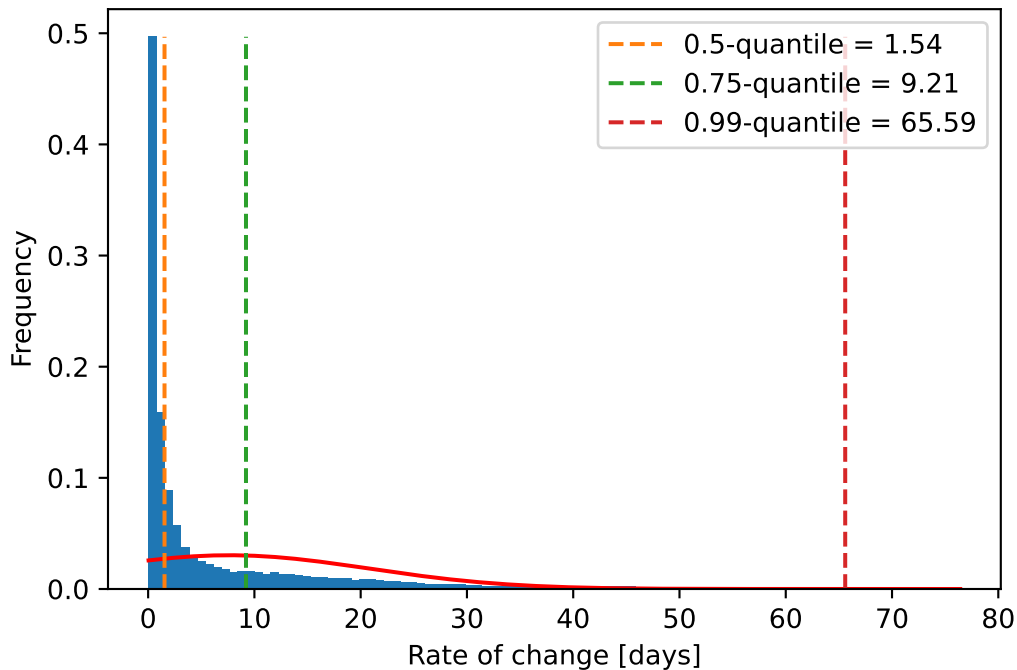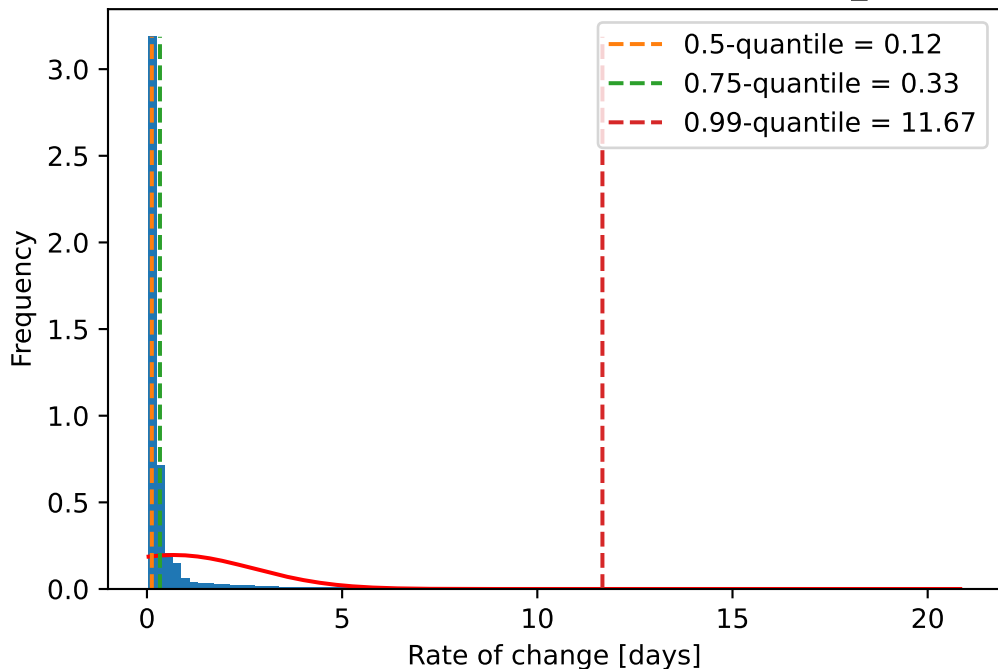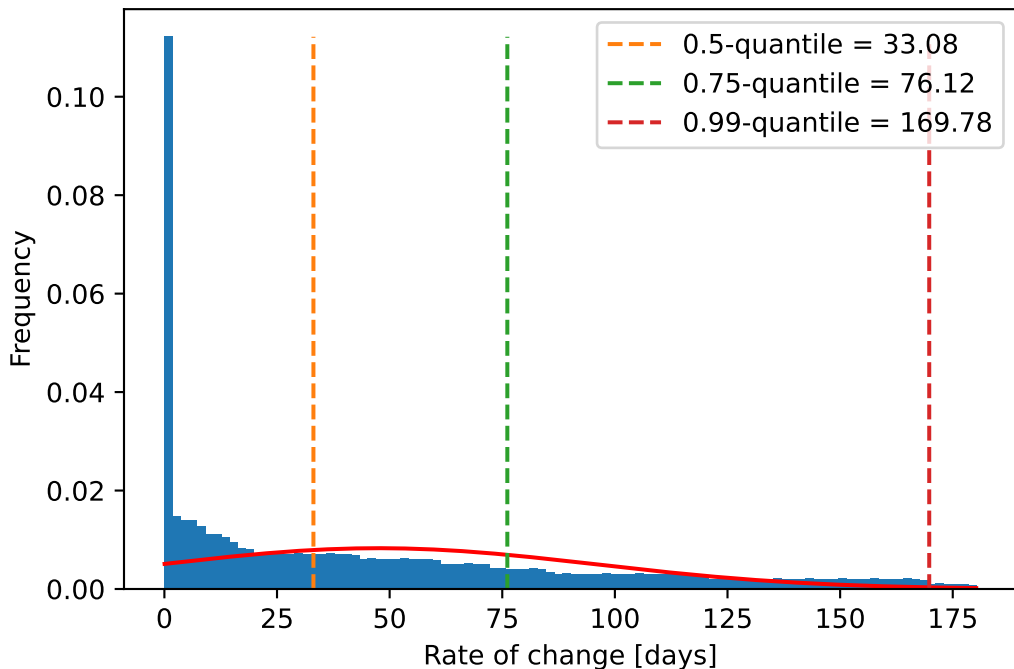
Histogram of roc with gaussian fit: hydra

Histogram of roc with gaussian fit: chaoborus

- 0.5-quantile = 9.46
- 0.75-quantile = 60.83
- 0.99-quantile = 195.88

Frequency (y-axis)

Rate of change [days] (x-axis)
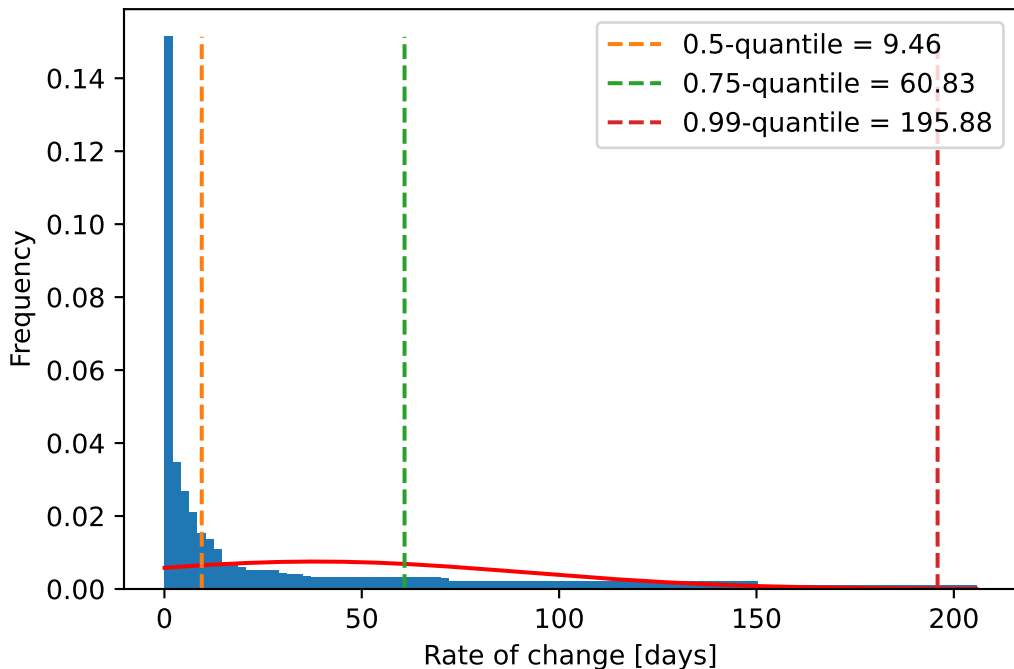
Histogram of roc with gaussian fit: aphanizomenon
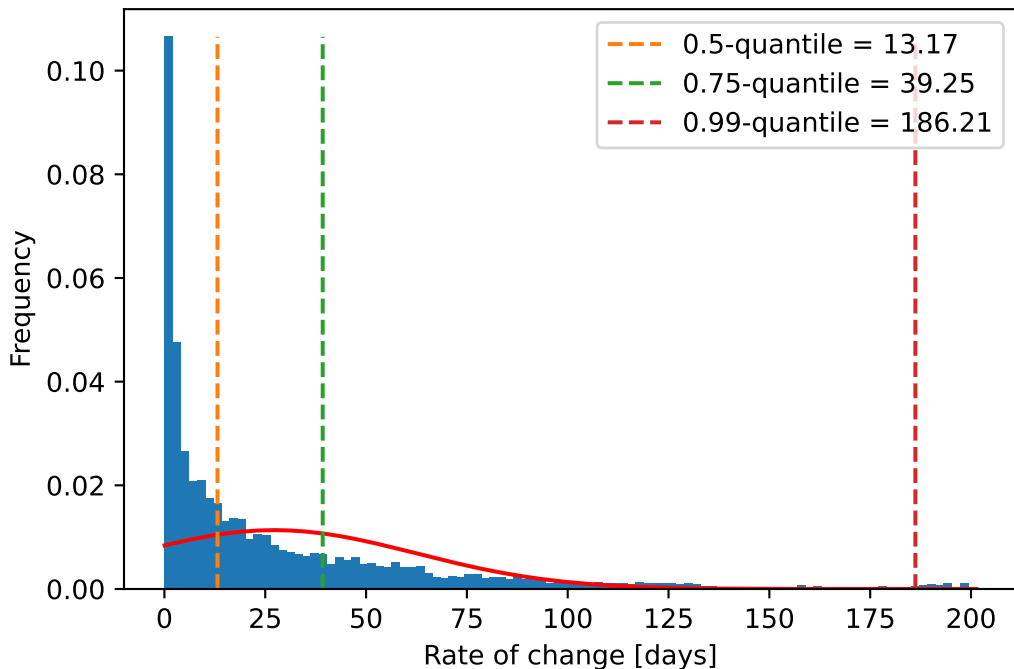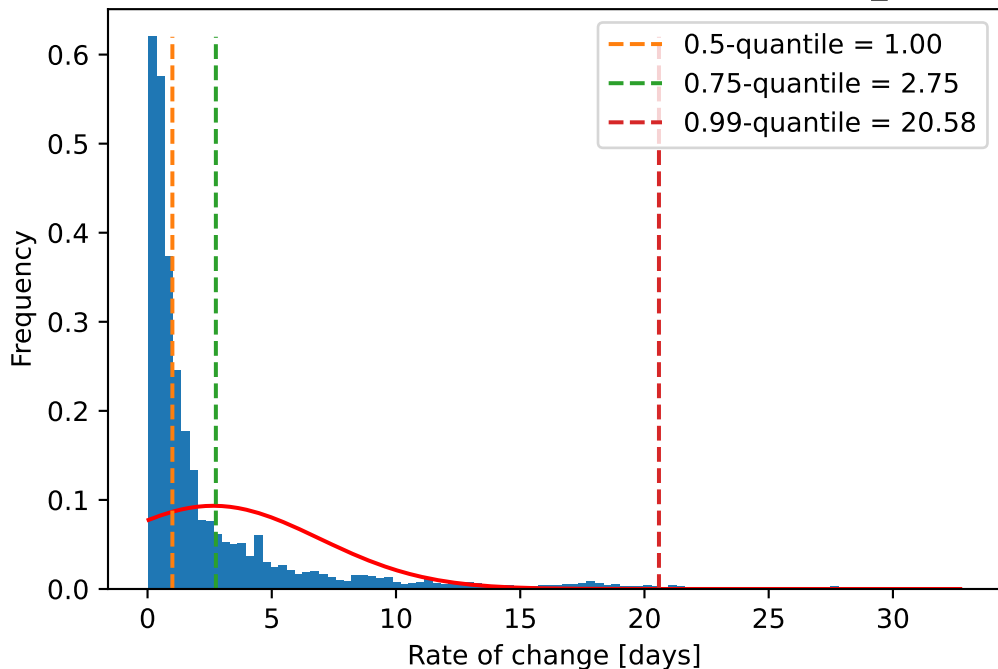
Legend:
- 0.5-quantile = 13.17
- 0.75-quantile = 39.25
- 0.99-quantile = 186.21

X-axis: Rate of change [days]
Y-axis: Frequency

Histogram of roc with gaussian fit: cluster_1

- 0.5-quantile = 1.00
- 0.75-quantile = 2.75
- 0.99-quantile = 20.58

Histogram of roc with gaussian fit: cluster_2

- 0.5-quantile = 1.79
- 0.75-quantile = 5.50
- 0.99-quantile = 53.29

Histogram of roc with gaussian fit: cluster_3

- 0.5-quantile = 1.38
- 0.75-quantile = 4.67
- 0.99-quantile = 30.38
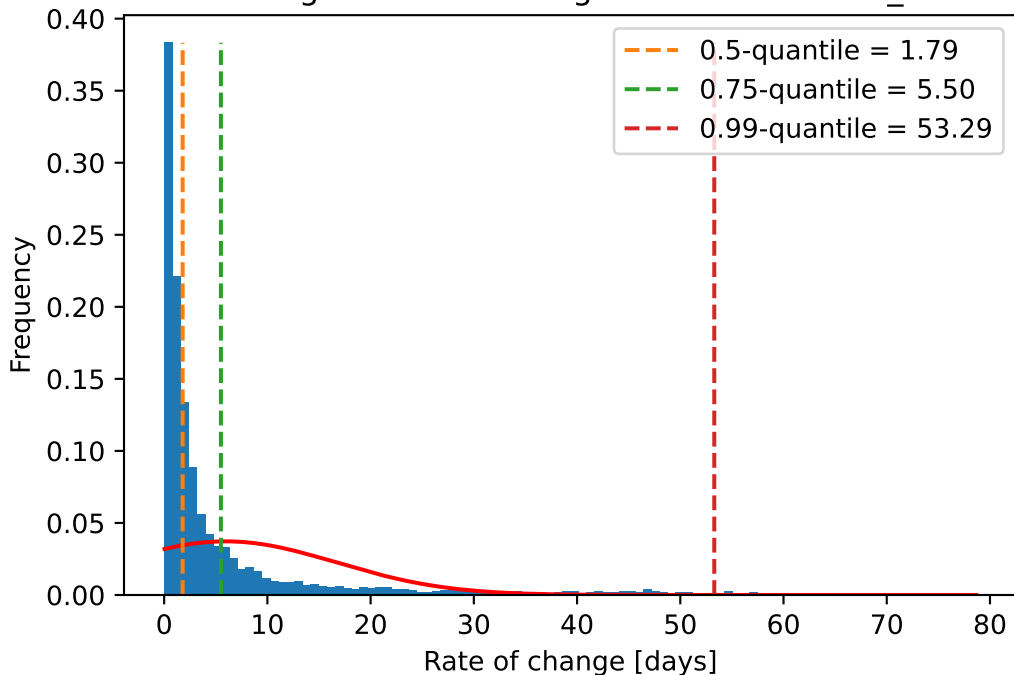
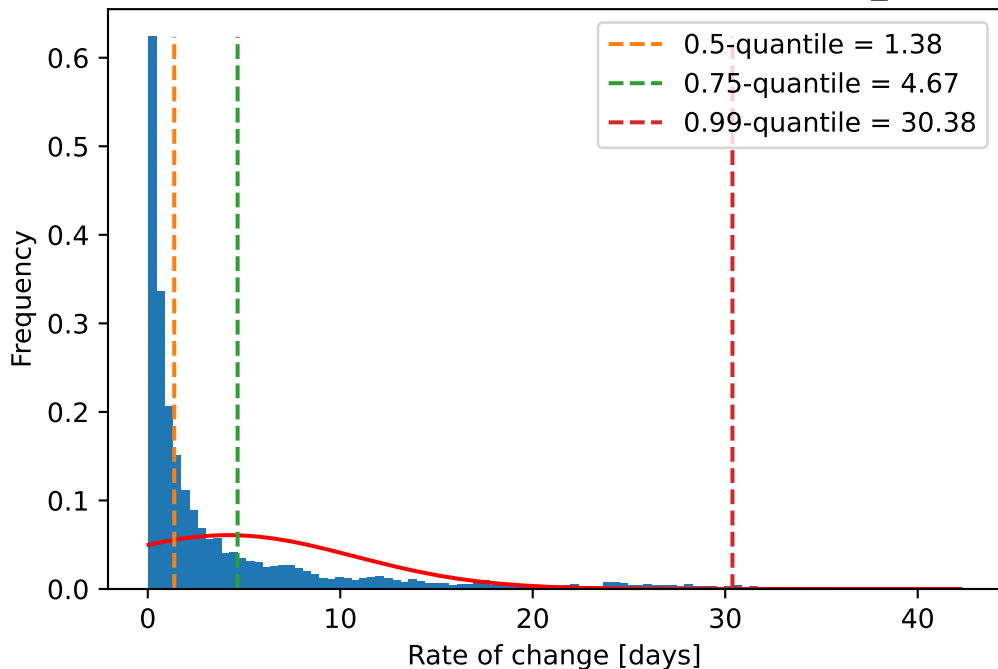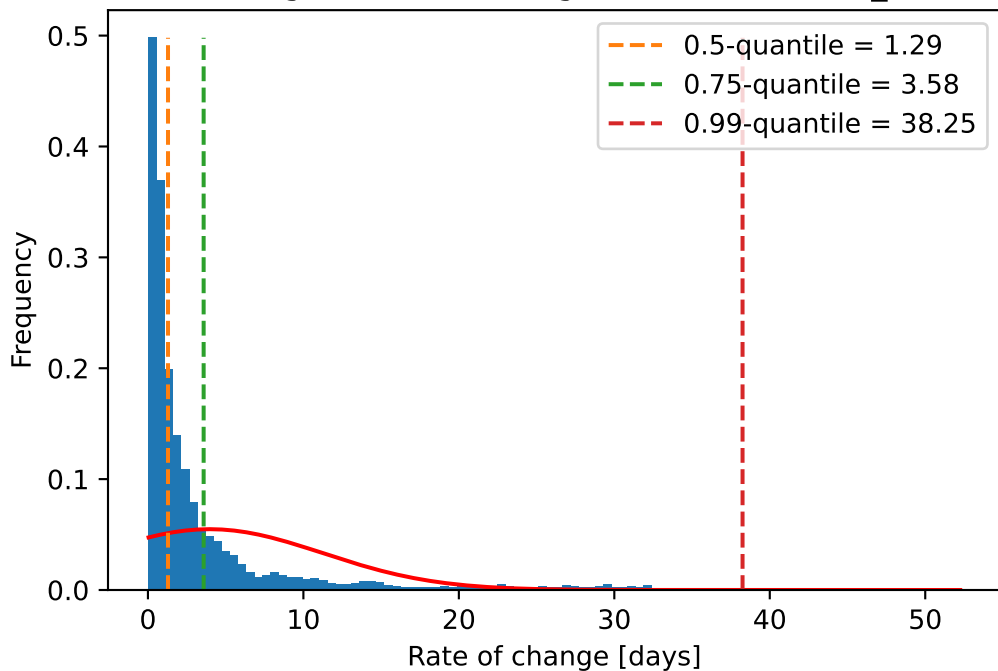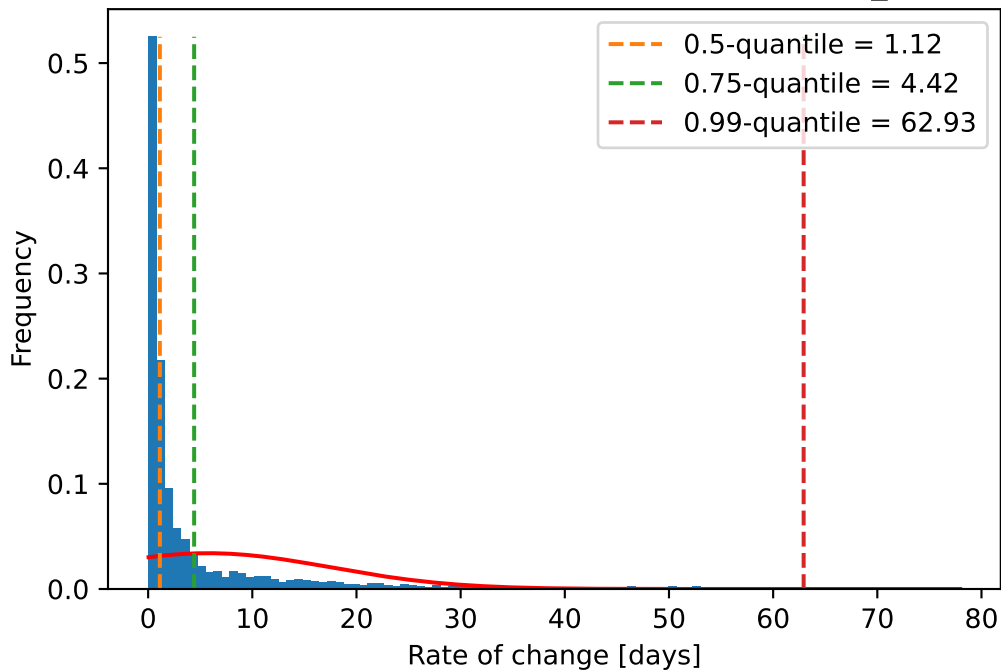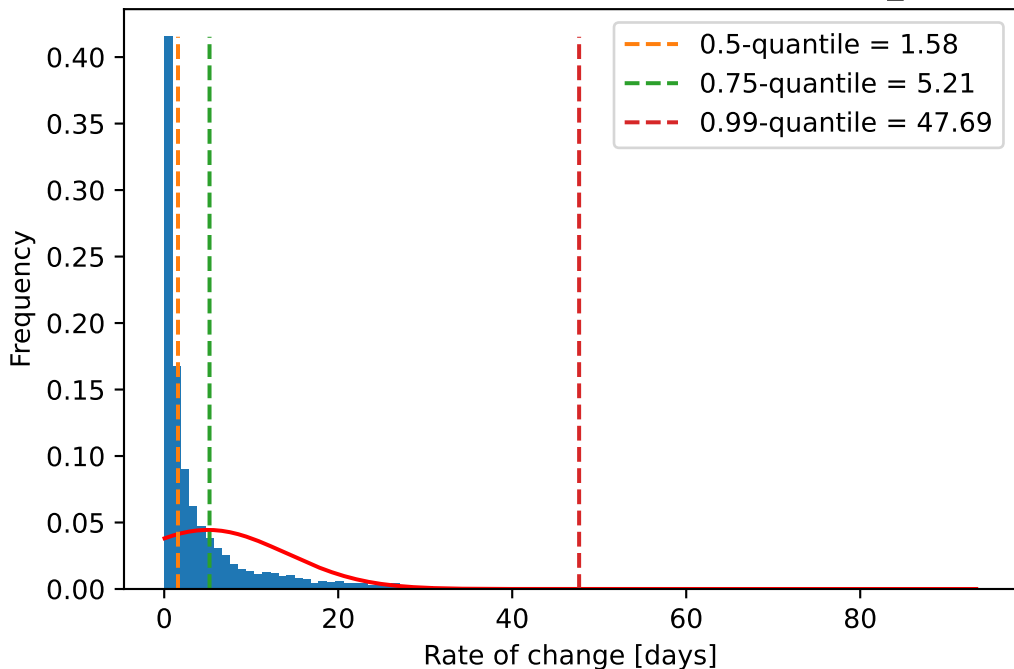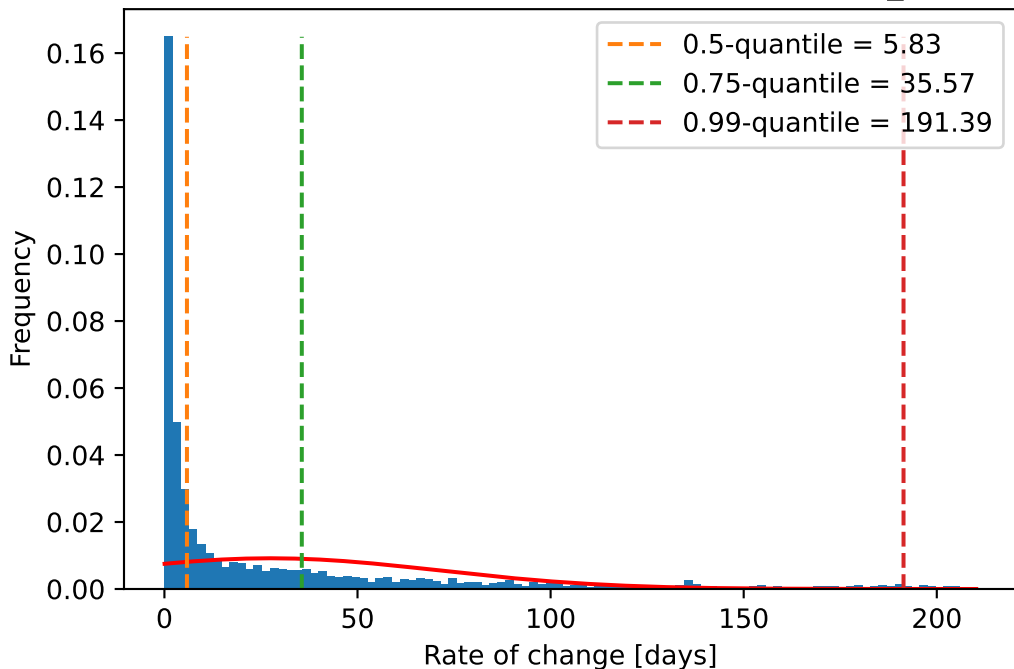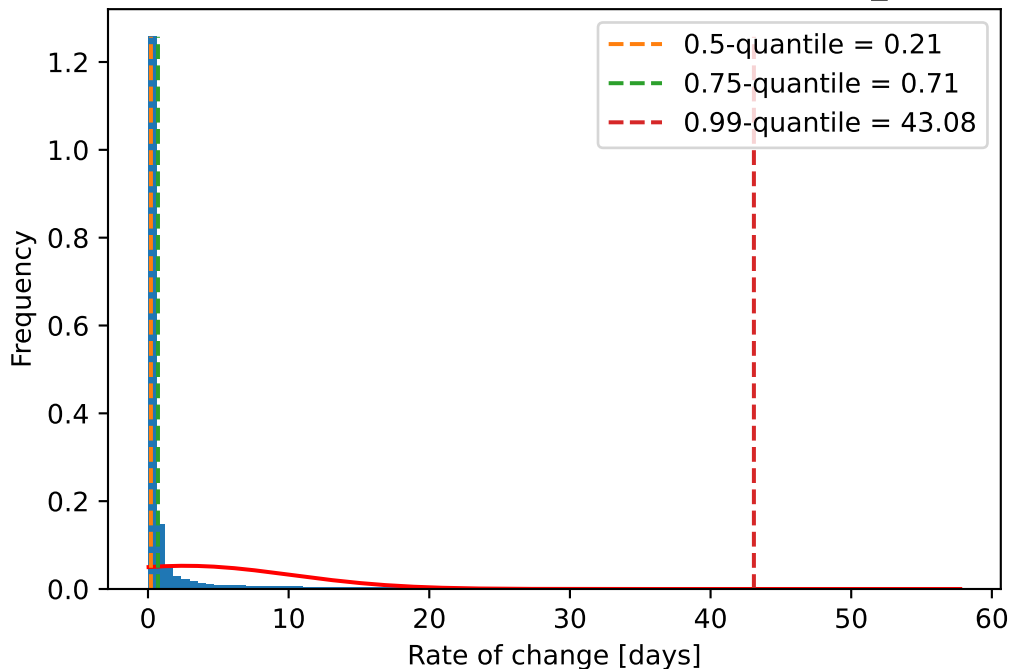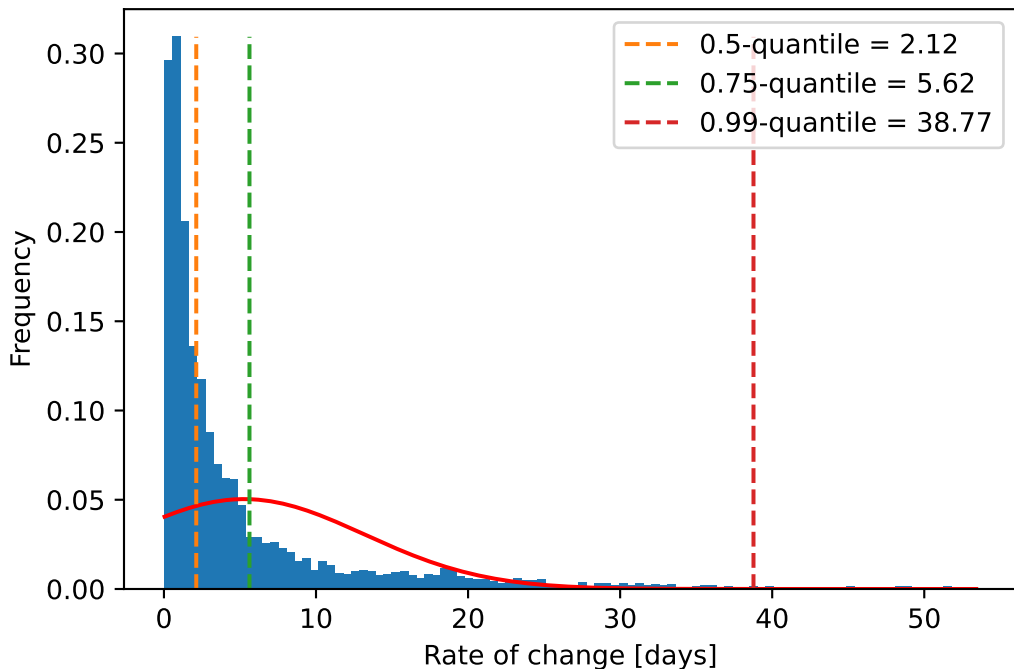Histogram of roc with gaussian fit: cluster_4

Histogram of roc with gaussian fit: cluster_5

Histogram of roc with gaussian fit: cluster_6

0.5-quantile = 1.58
0.75-quantile = 5.21
0.99-quantile = 47.69

Histogram of roc with gaussian fit: cluster_7

- 0.5-quantile = 5.83
- 0.75-quantile = 35.57
- 0.99-quantile = 191.39

Histogram of roc with gaussian fit: cluster_8

- 0.5-quantile = 0.21
- 0.75-quantile = 0.71
- 0.99-quantile = 43.08

Histogram of roc with gaussian fit: diatom

Histogram of roc with gaussian fit: ciliate

- 0.5-quantile = 0.25
- 0.75-quantile = 0.50
- 0.99-quantile = 3.96

Histogram of roc with gaussian fit: year

- 0.5-quantile = 182.77
- 0.75-quantile = 274.14
- 0.99-quantile = 361.86

Histogram of roc with gaussian fit: month

- 0.5-quantile = 15.25
- 0.75-quantile = 22.83
- 0.99-quantile = 30.50

Histogram of roc with gaussian fit: day

0.5-quantile = 0.52
0.75-quantile = 0.76
0.99-quantile = 1.00