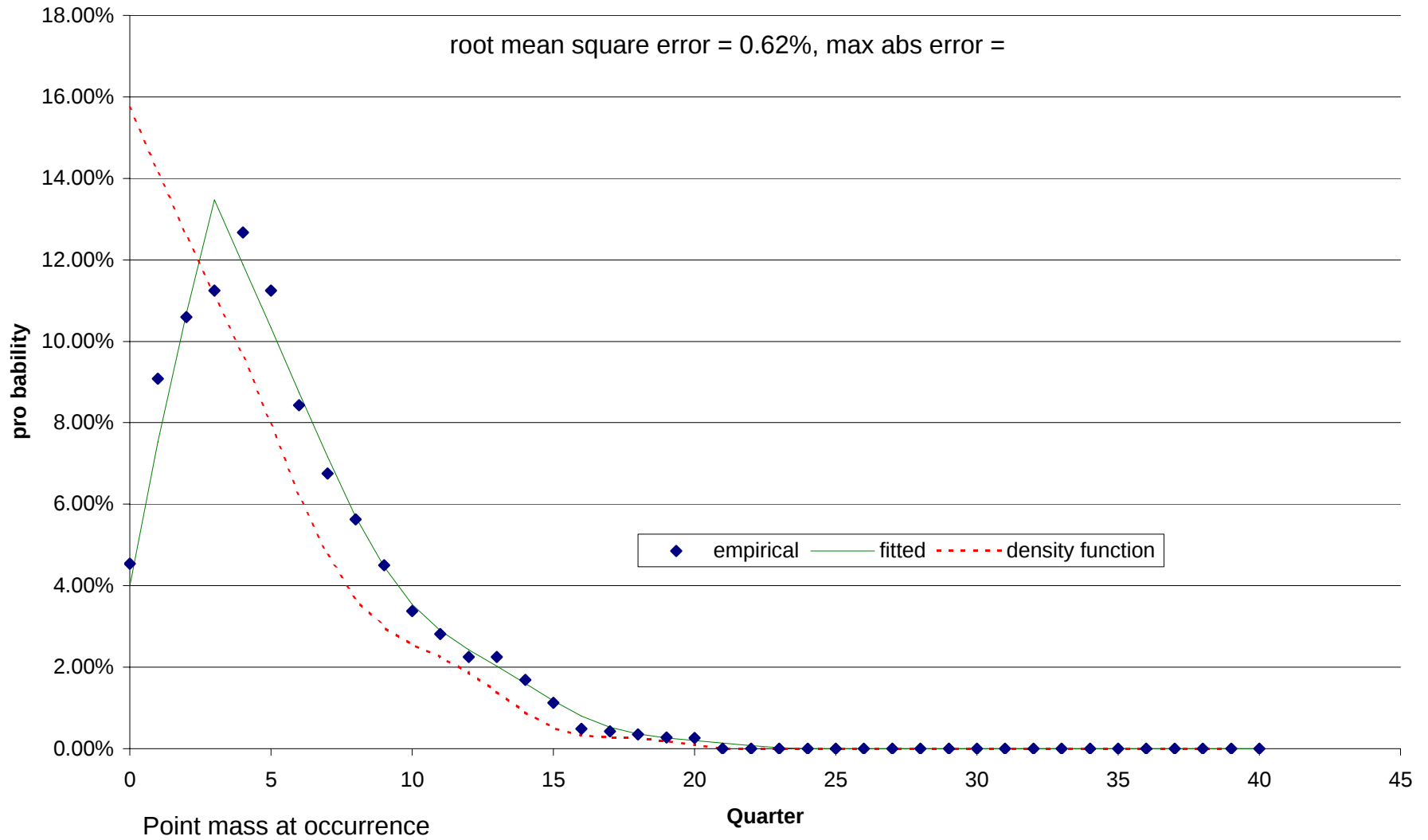


Accident Year by Quarter probabilities for continuous density

Data is made up from Excess Med-

root mean square error = 0.62%, max abs error =



1,000,000 simulations	682 seconds			Output too			0 seconds												
lag	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
address	\$C\$7	\$C\$8	\$C\$9	\$C\$10	\$C\$11	\$C\$12	\$C\$13	\$C\$14	\$C\$15	\$C\$16	\$C\$17	\$C\$18	\$C\$19	\$C\$20	\$C\$21	\$C\$22	\$C\$23	\$C\$24	\$C\$25
mean	4.00%	7.55%	10.63%	13.44%	11.82%	10.35%	8.74%	7.16%	5.71%	4.45%	3.55%	2.92%	2.43%	2.04%	1.61%	1.18%	0.80%	0.53%	0.37%
predicted	3.99%	7.53%	10.69%	13.47%	11.88%	10.33%	8.74%	7.16%	5.69%	4.46%	3.54%	2.90%	2.43%	2.02%	1.60%	1.18%	0.80%	0.52%	0.36%
error	0.007%	0.017%	-0.052%	-0.024%	-0.062%	0.022%	-0.001%	-0.008%	0.020%	-0.013%	0.013%	0.019%	-0.002%	0.021%	0.008%	0.002%	0.000%	0.005%	0.009%
uncertainty	0.020%	0.026%	0.031%	0.034%	0.032%	0.030%	0.028%	0.026%	0.023%	0.021%	0.019%	0.017%	0.015%	0.014%	0.013%	0.011%	0.009%	0.007%	0.006%
std error	0.34	0.64	-1.68	-0.72	-1.91	0.73	-0.03	-0.29	0.87	-0.65	0.70	1.14	-0.15	1.46	0.60	0.21	0.03	0.74	1.55
stdev	19.59%	26.42%	30.83%	34.11%	32.28%	30.46%	28.24%	25.77%	23.21%	20.61%	18.51%	16.83%	15.39%	14.14%	12.59%	10.81%	8.93%	7.26%	6.04%
skewness	4.70	3.21	2.55	2.14	2.37	2.60	2.92	3.32	3.82	4.42	5.02	5.60	6.18	6.78	7.68	9.03	11.02	13.62	16.43

Payout used in this simulation

CDF	time	pdf	point mass	8.365%
0.083651	0	0.157396		
0.23314	1	0.141581		
0.366915	2	0.12597		
0.48553	3	0.11126		
0.589445	4	0.096569		
0.677571	5	0.079685		
0.748512	6	0.062197		
0.803307	7	0.047393		
0.845367	8	0.036727		
0.87865	9	0.029838		
0.906401	10	0.025665		
0.930489	11	0.022511		
0.951137	12	0.018783		
0.967529	13	0.014002		
0.979026	14	0.00899		
0.986105	15	0.005168		
0.990318	16	0.003258		
0.993339	17	0.002783		
0.995999	18	0.002538		
0.998205	19	0.001873		
0.999571	20	0.000859		
1	21	0		
1	22	0		
1	23	0		
1	24	0		
1	25	0		
1	26	0		
1	27	0		
1	28	0		
1	29	0		
1	30	0		
1	31	0		
1	32	0		
1	33	0		
1	34	0		
1	35	0		
1	36	0		
1	37	0		
1	38	0		
1	39	0		
1	40			

[illegible]

	39	40
\$C\$46	\$C\$47	
0.00%	0.00%	
0.00%	0.00%	
0.000%	0.000%	
0.000%	0.000%	
#DIV/0!	#DIV/0!	
0.00%	0.00%	
#N/A	#N/A	

This sheet is to do simulation to check that the probabilities are in fact generated as stated in the column "probability from fit"

lags currently available here 111; lags used 40.

quarter	payment
0	0
1	0
2	0
3	0
4	1
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	0
36	0
37	0
38	0
39	0
40	0

occurrence time	1.734168
lag time	2.437045
payment time	4.171213
quarter	4

CDF draw:		
F	index	3
42.06%	K	2
	F(K)	36.69%
	f(K)	12.60%
	f(K+1)	11.13%
	x-K	0.4370

