

We have to consider the observation $T=10$ in $B(18, 3/4)$.

$p(0)$	$= 1.455E-11$
$p(1)$	$= 7.858E-10$
$p(2)$	$= 2.004E-8$
$p(3)$	$= 3.206E-7$
$p(4)$	$= 3.607E-6$
$p(5)$	$= 3.030E-5$
$p(6)$	$= 1.969E-4 \approx 0.0002$
$p(7)$	$= 1.013E-3 \approx 0.0010$
$p(8)$	$= 4.178E-3 \approx 0.0042$
$p(9)$	$= 0.0139$
$p(10)$	$= 0.0376$
$p(11)$	$= 0.0820$
$p(12)$	$= 0.1436$
$p(13)$	$= 0.1988$
$p(14)$	$= 0.2130$
$p(15)$	$= 0.1704$
$p(16)$	$= 0.0958$
$p(17)$	$= 0.0338$
$p(18)$	$= 0.0056$

The probability in the obtained direction, suggestive of an increase, is 0.0569. There is moderate evidence to suggest an increase in the accident rate, but the SP is only about .06 so close to the critical value.

26

7
7