

EXPLORING GTI
AND
RECOVERING
1993

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GLOBAL TERRORISM INDEX

2016



OBJECTIVES

DATA PREP

- ♦ Review codebook
- ♦ Address dates missing

EDA

- ♦ Types of attacks
- ♦ Locations and attack frequency

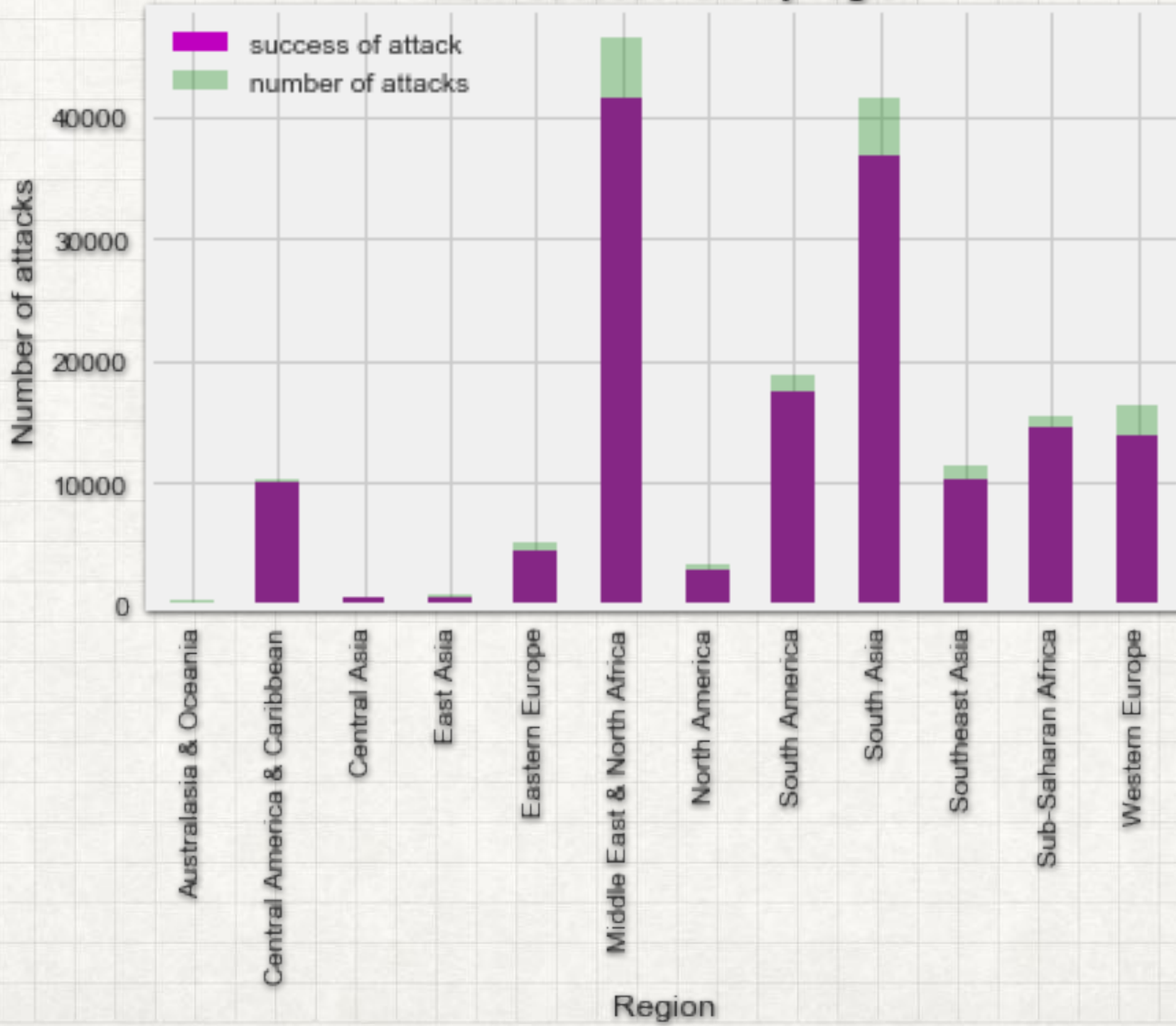
BAYES

- ♦ Observing differences in stable regimes vs unstable

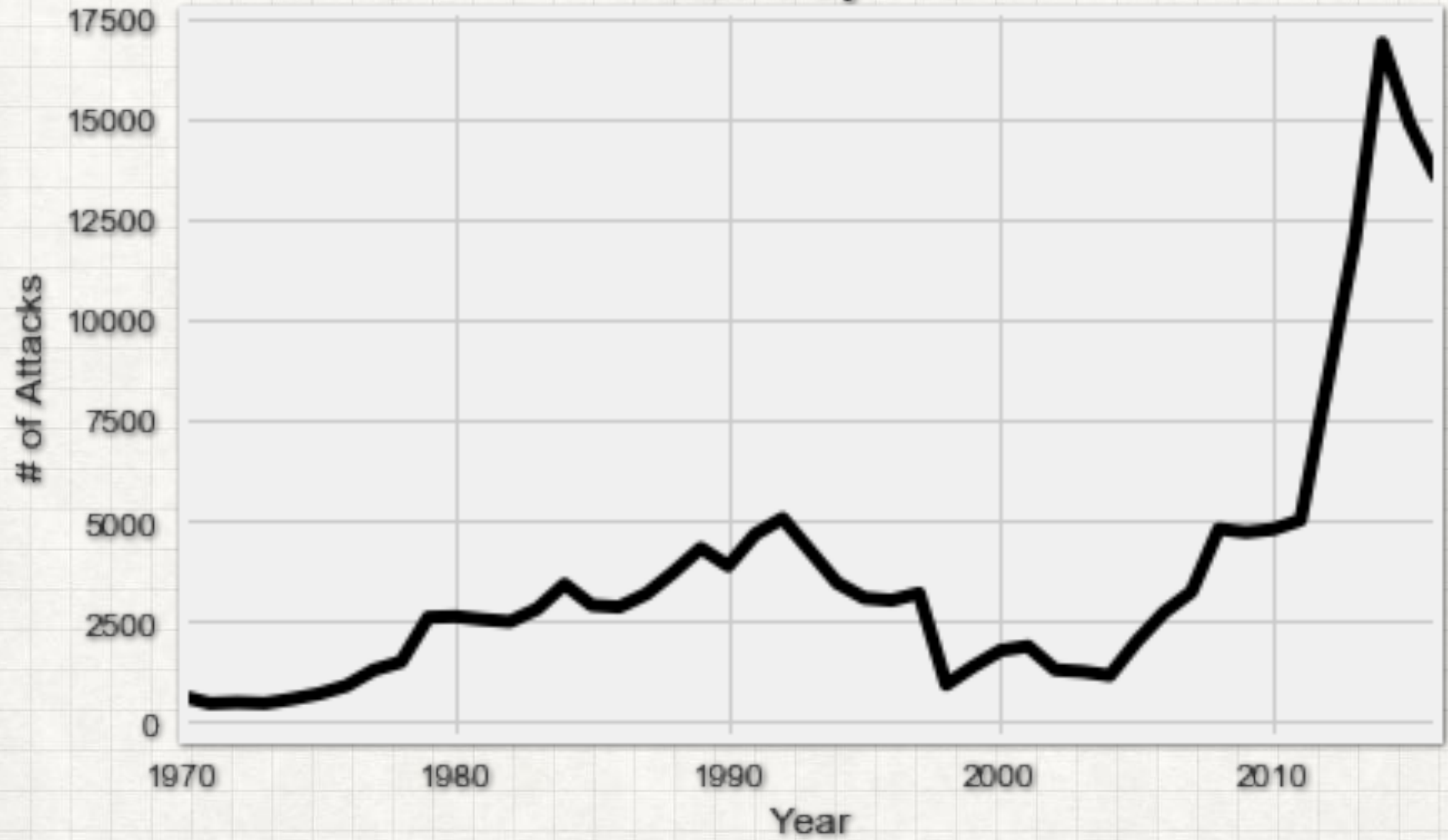
1993

- ♦ Use what we have to estimate what was lost.

Attack success rate by region



Attacks By Year



DO STABLE REGIMES MEAN LESS TERROR

Target

- ♦ To observe if stable regimes effect terrorism attack frequency in Africa.

Angola & DRC

- ♦ Two extremes politically.
- ♦ Influence of foreign powers.

Priors

- ♦ We observed the STD and Mean of the rest of Africa, and assumed a normal distribution.

Findings

- ♦ The difference of the mean of the populations is not statistically significant.

Global Terror Bombings - 1977



1

Year of Datetime

< 1977 ▾ >

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

☐ Show history

RECOVERING 1993 DATA

Strategy

- ♦ I used rolling mean, and tried lags of 7 years and 3 years.

Post 9/11

- ♦ Uptick in global terror.
- ♦ 2010 presents another jump

Results

- ♦ 1,672, that is our predicted bombings for 1993.

Improving

- ♦ We could use an ARIMA to approach stationary.

QUESTIONS?

Average Death Per Year - 1970

Avg. Nkill
0.0 200.0

Iyear
< 1970 >
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☐ Show history

