

Insecurity Insight



FLASH: 6W's (Insecurity Insight)
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Data on People in Danger

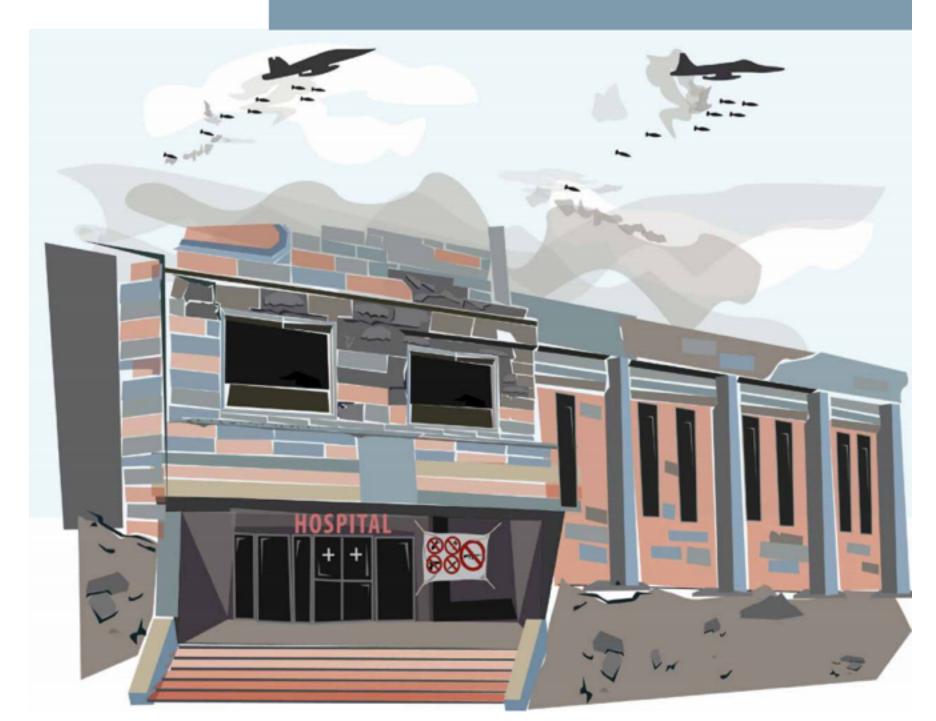
Insecurity Insight examines threats facing people living and working in dangerous environments. Our innovative data collection and analysis methods generate insights relevant for aid workers, aid agencies and those concerned with the protection of health workers, educators, IDPs and refugees. Our aim is to empower those who deliver vital services and to give voices to those affected by insecurity





IMPUNITY REMAINS:

Attacks on Health Care in 23 Countries in Conflict

























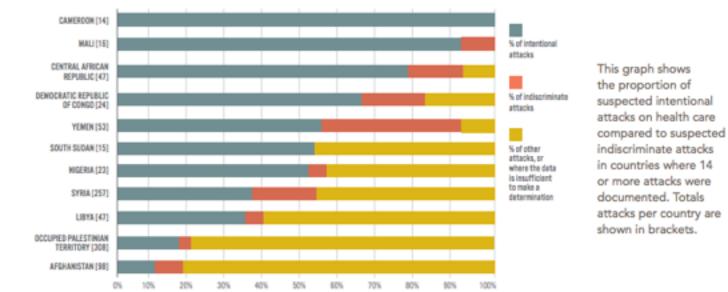




OVERVIEW

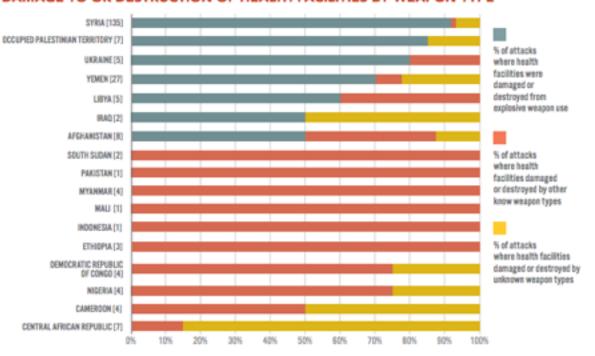


SUSPECTED INTENTIONAL VERSES SUSPECTED INDISCRIMINATE ATTACKS ON HEALTH CARE



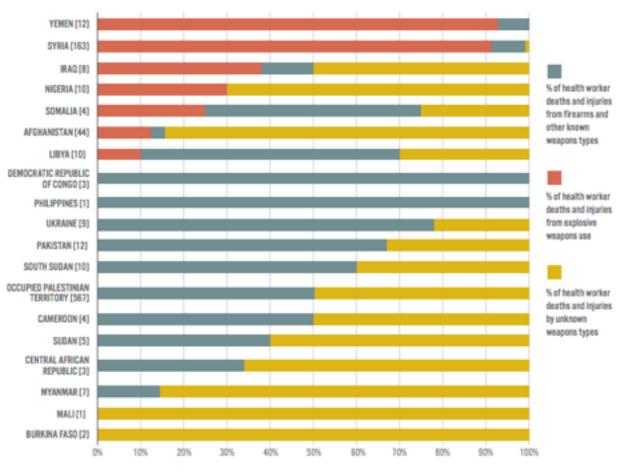
indiscriminate attacks in countries where 14 or more attacks were documented. Totals attacks per country are shown in brackets.

DAMAGE TO OR DESTRUCTION OF HEALTH FACILITIES BY WEAPON TYPE



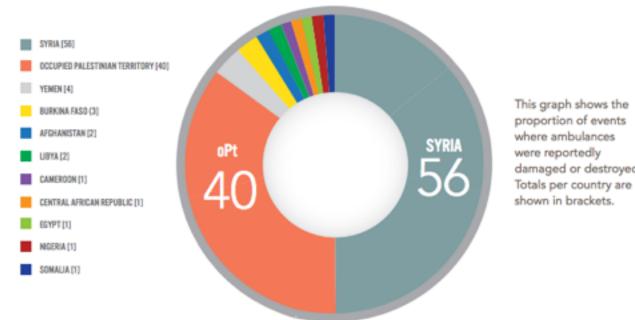
This graph shows the proportion of attacks where explosives weapons caused damage to or destruction of health facilities in comparison to damage or destruction caused by other known or unknown weapons in countries reporting health facility damage or destruction. Total numbers of attacks that either damaged or destroyed a health facility, per country are shown in brackets.

DEATHS AND INJURIES OF HEALTH WORKERS BY WEAPON TYPE



This graph shows the proportion of attacks where explosive weapons use caused death or injury to health workers in comparison to death and injuries of health workers caused by other known or unknown weapons in countries where health workers were reportedly killed or injured. Totals per country are shown in brackets.

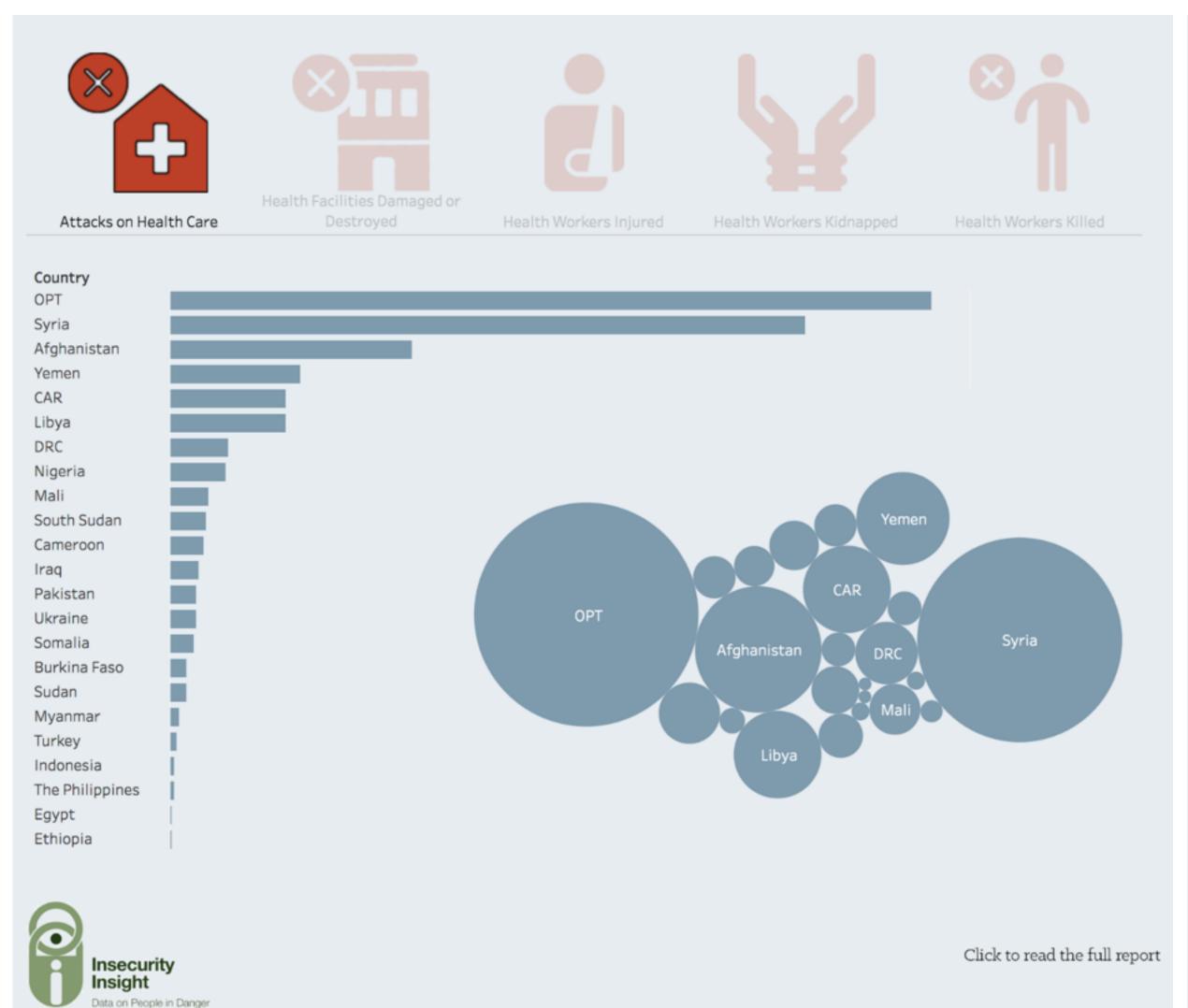
AMBULANCES DAMAGED OR DESTROYED IN 11 COUNTRIES

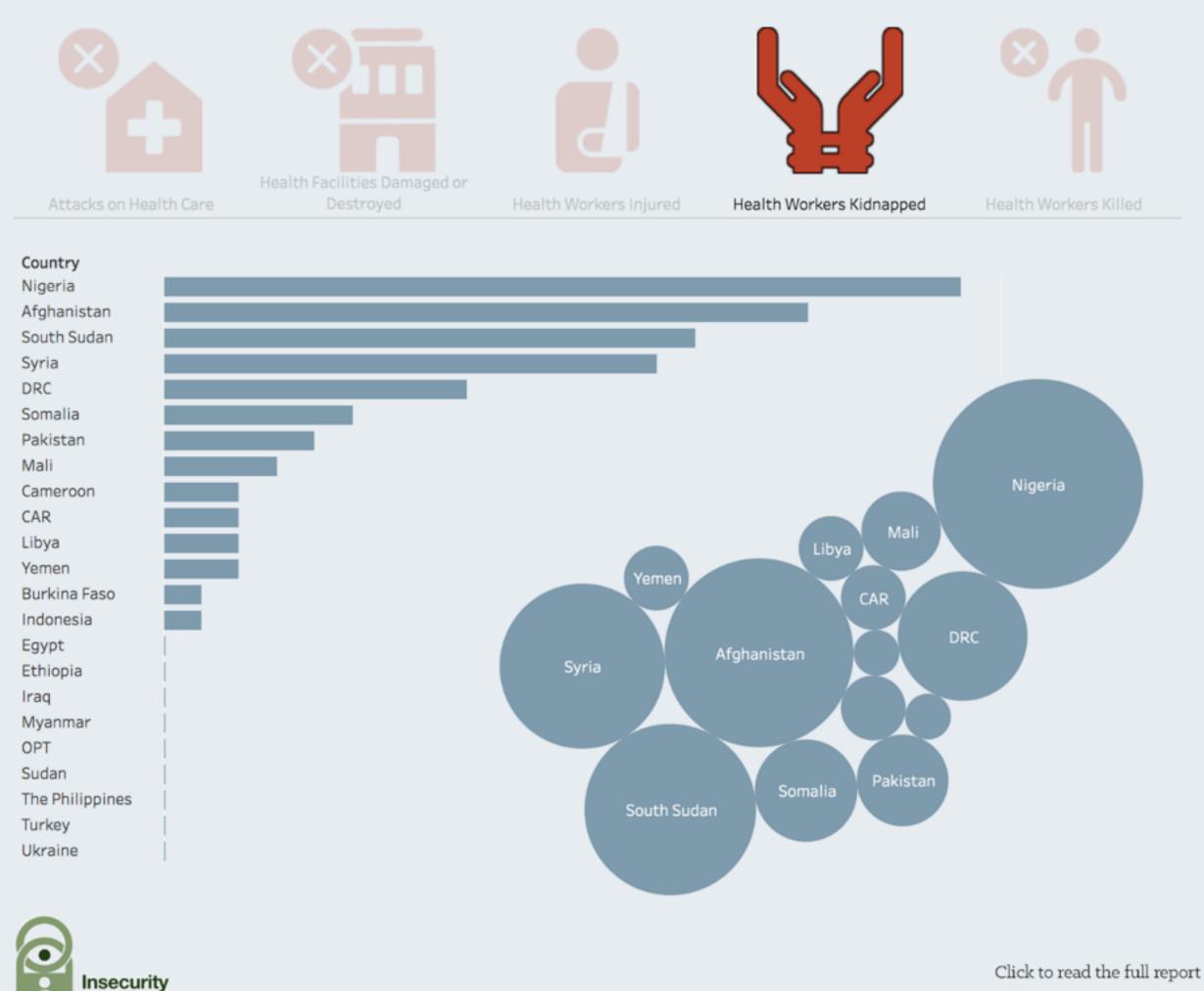


damaged or destroyed.

Impunity Remains





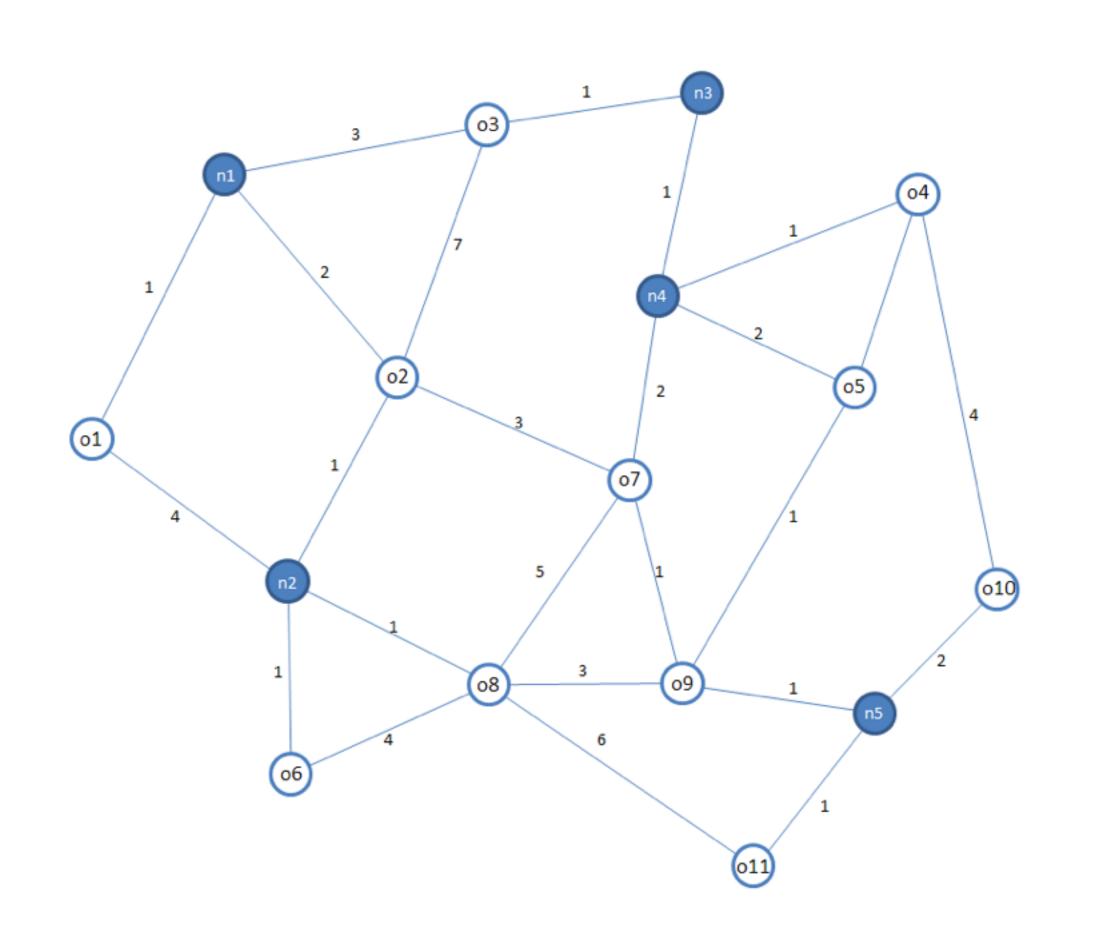


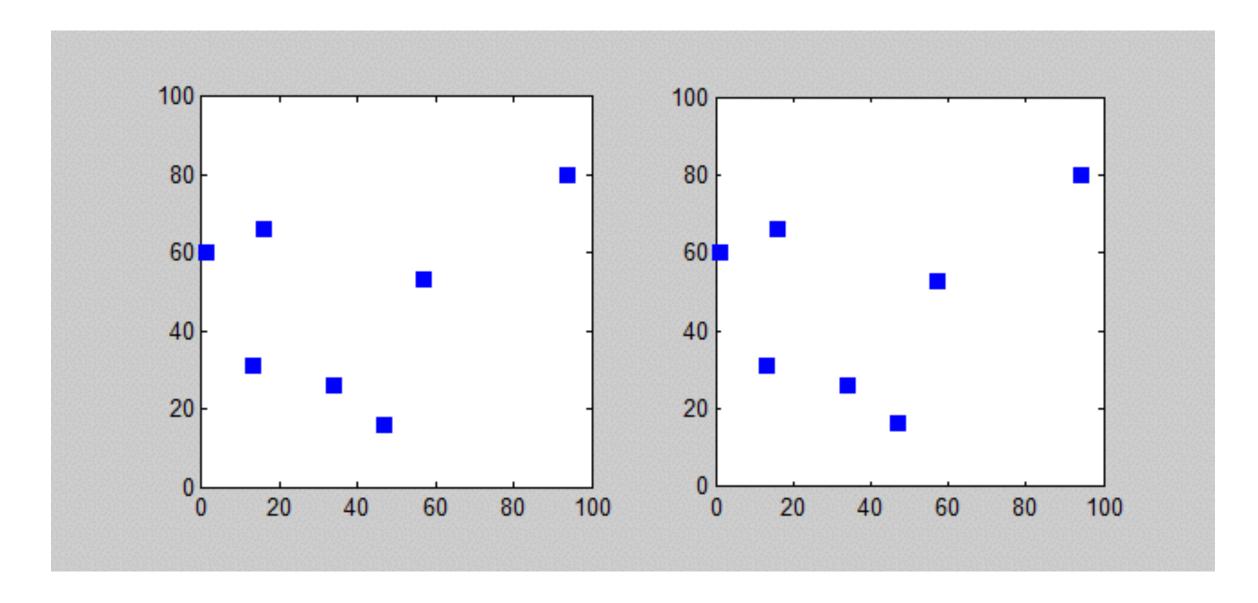
Impact Storytelling



6 W's: Who? did What? to Whom? When? Where? with which Weapon?

NP-hard problem

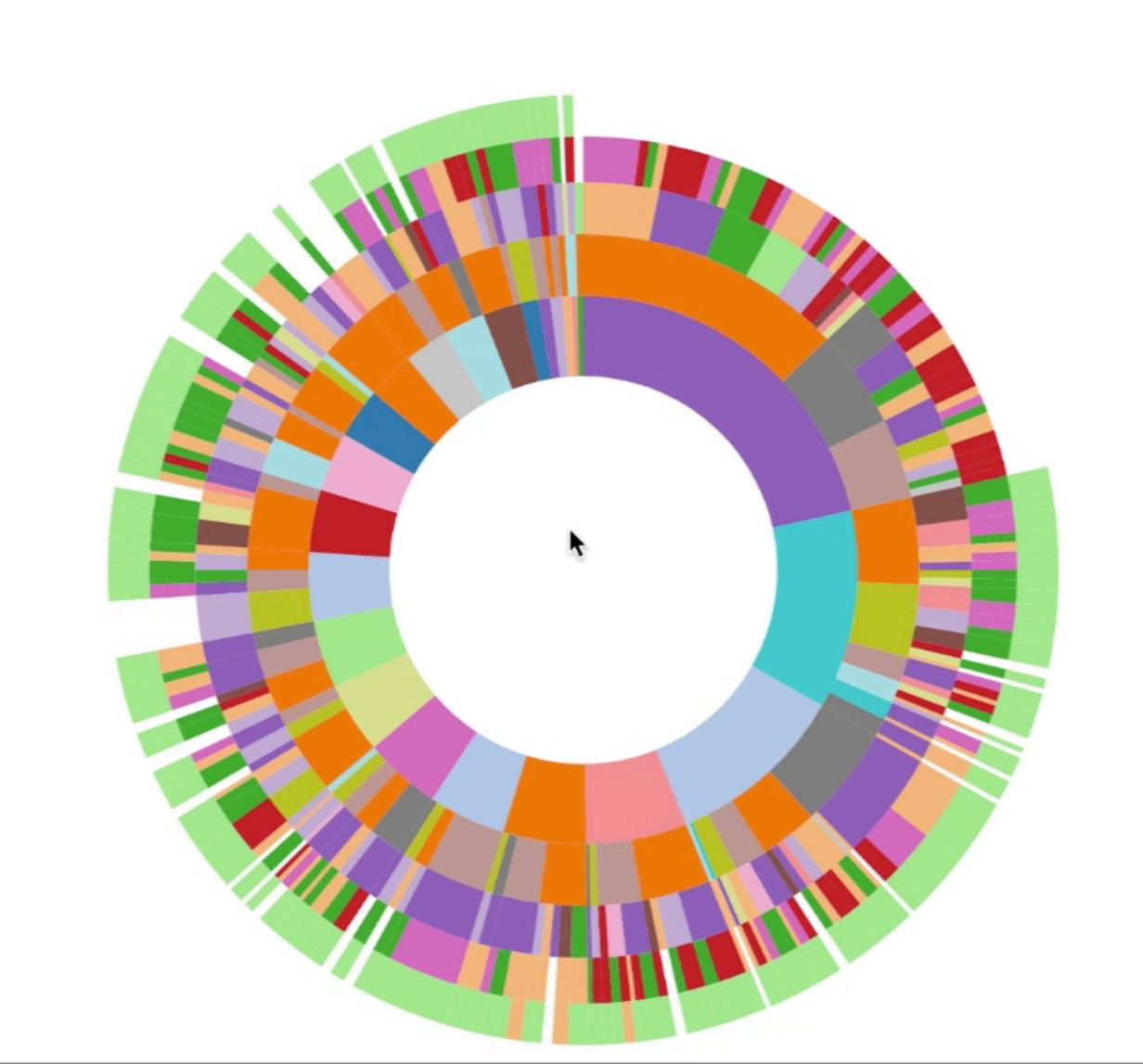




combinatorics increases superpolynomially (but no more than exponentially) with the number of 'cities' => (n-1)!/2 'paths'



Where Whom What Weapon Armed



Best Stories Finder



UTSP: Undecided Travelling Salesman Problem

The Undecided Travelling Salesman, can't decide which product to sell

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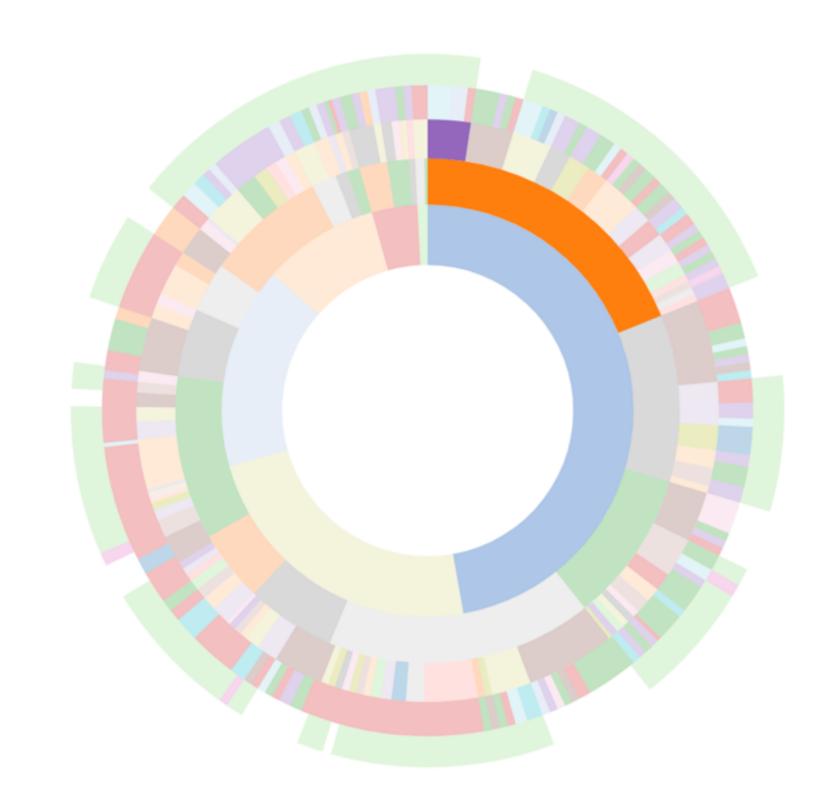
He starts with a big list of products, with at least as many product properties as cities to visit.

In each city he has to choose a specific property instance and he has to leave all products with other property instances behind.

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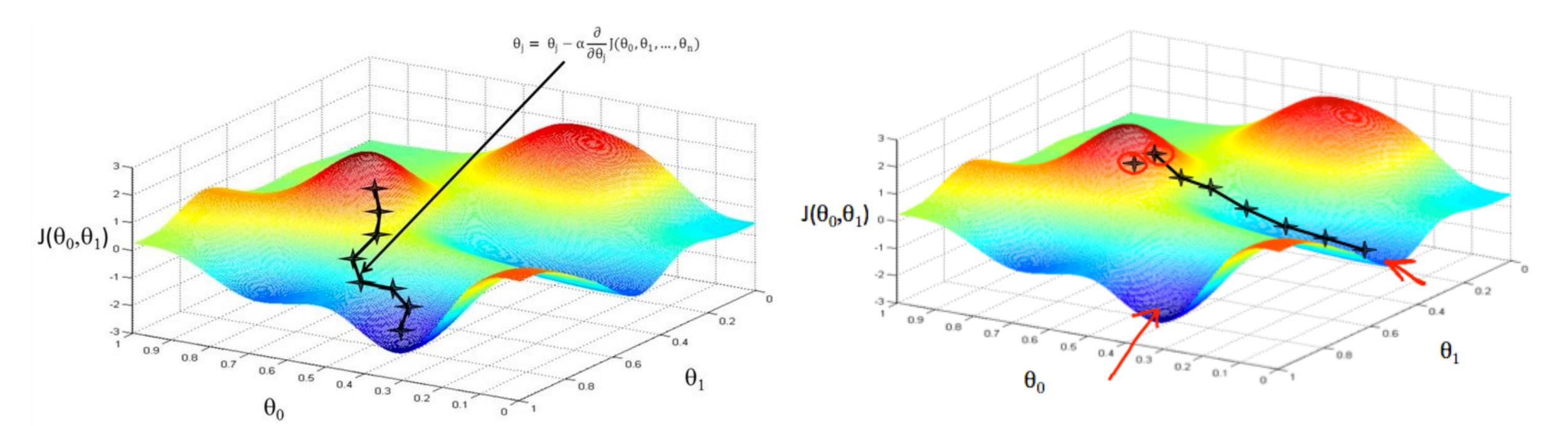
How can he give best advice for future salesman?





Best Stories Finder





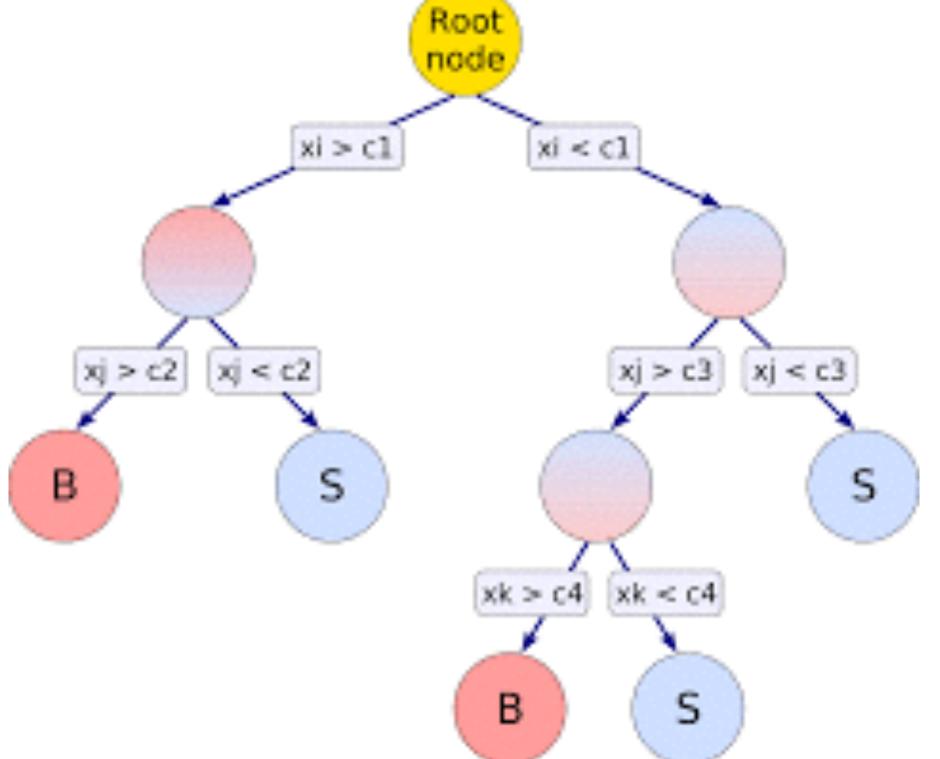
Best Stories / Learnings:

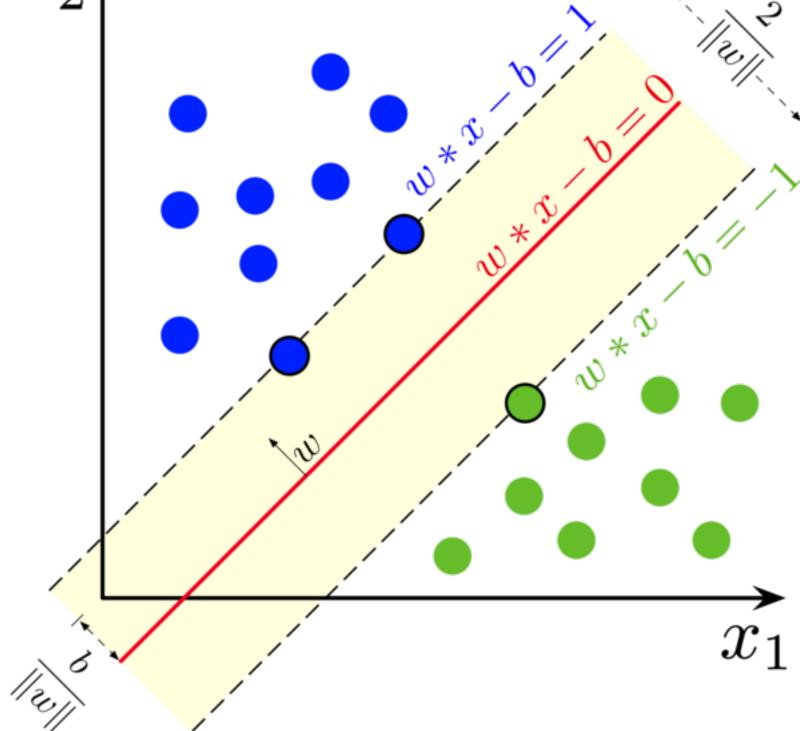
- 1. General Rules: many 'paths' lead to same or similar result => easy / obvious to find
- 2. Specific Exceptions (small 'path' change leads to significant result difference => difficult / hard to find => unexpected insights



Boosted Decision Tree (BDT)

Support Vector Machine (SVM) x_2





Best Stories Finder



