

# Global Military Power Analytics Dashboard

A Multi-Domain Data Visualization Project in Power BI

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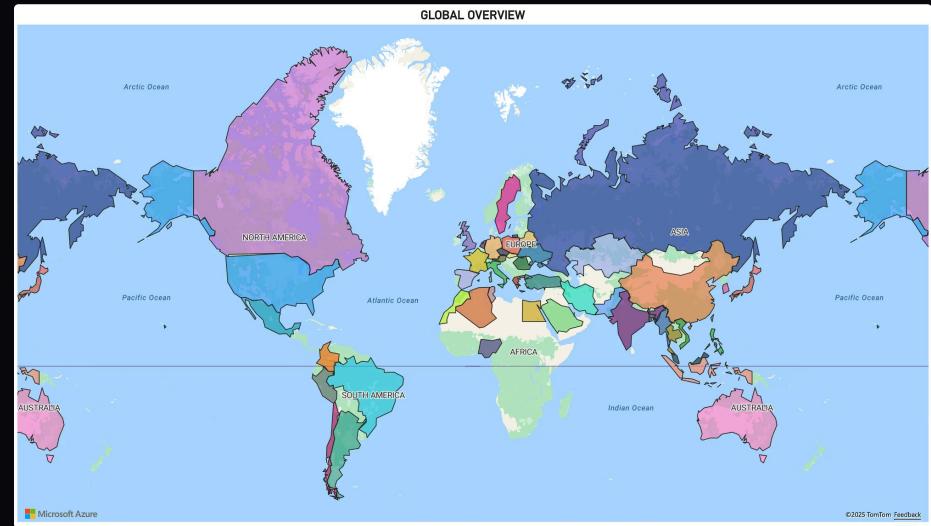
**Tools:** Power BI • Data Modeling • DAX • Global Military Dataset (2025)



# Project Overview

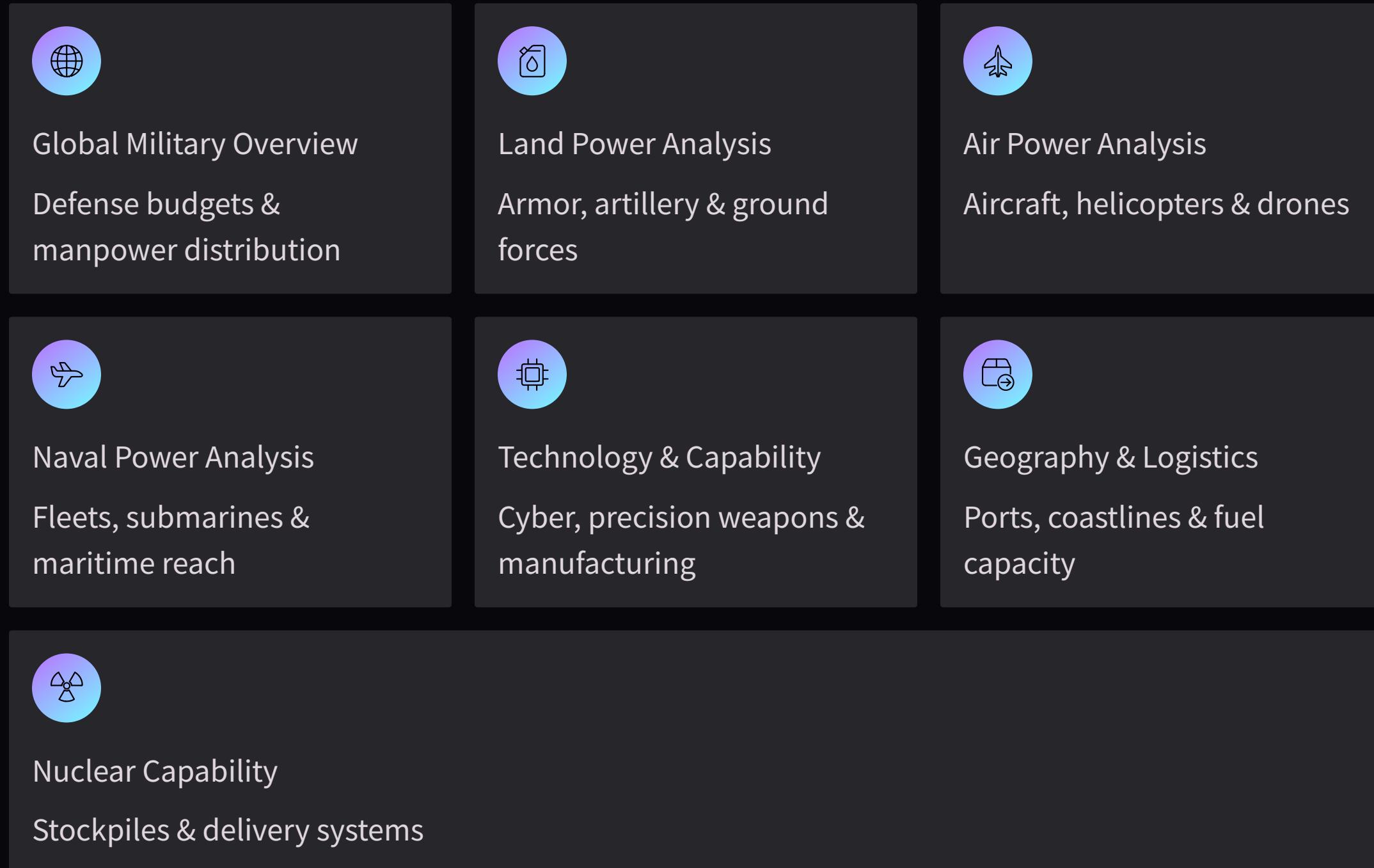
This project visualizes global military strength across **49 nations** using a unified, structured dataset. The comprehensive analysis covers defense spending, manpower, land systems, air fleets, naval assets, technology indexes, logistics, and nuclear capability.

The dashboards reveal comparative strength, regional trends, and national power projection capabilities across multiple domains.



# Dashboard Structure

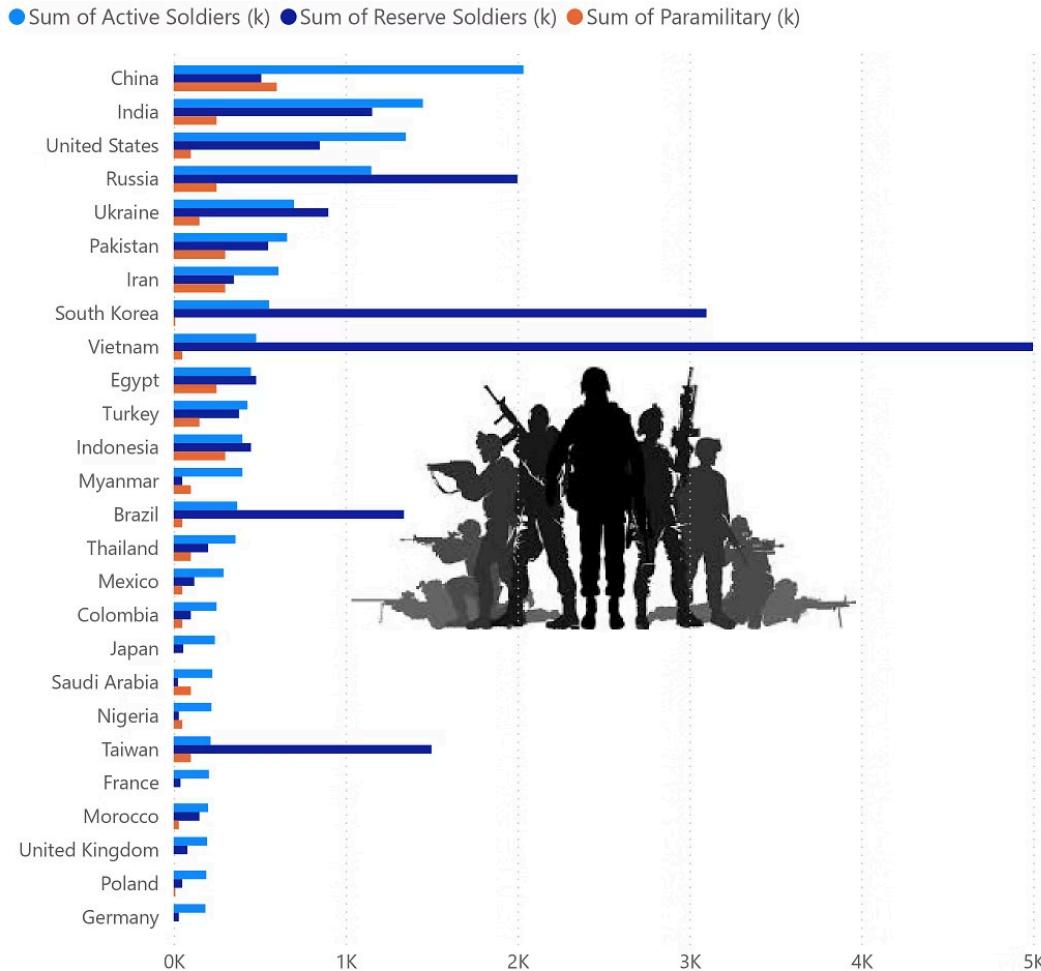
The Power BI report contains **7 interactive dashboard pages**, each designed to analyze specific military capabilities:



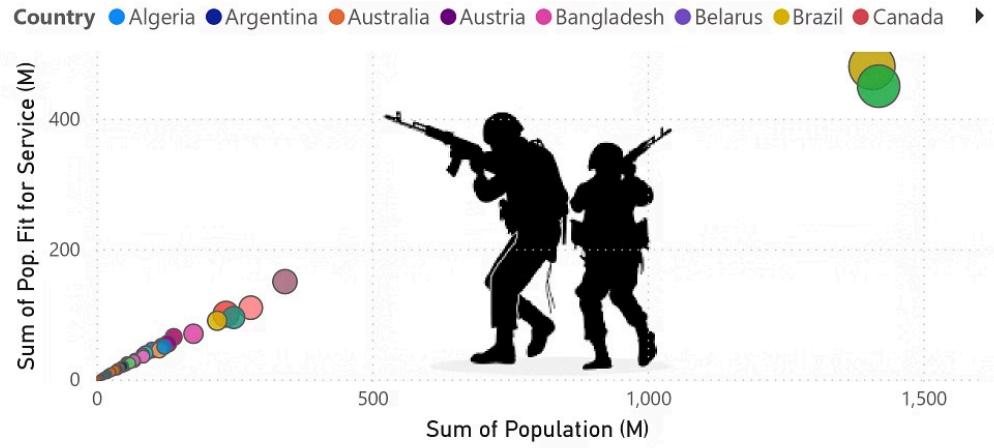
Each page uses bar charts, scatter plots, KPIs, and ranking visuals for deeper insights.

# GLOBAL MILITARY OVERVIEW

## Manpower Comparison



## Population vs Fit for Service



# Global Military Overview

## Defense Spending & Manpower Dominance

\$997B

### U.S. Defense Budget

Largest military spending globally

2.1M

### China Active Forces

World's largest standing army

1.5M

### India Active Forces

Second-largest active military

## Key Findings

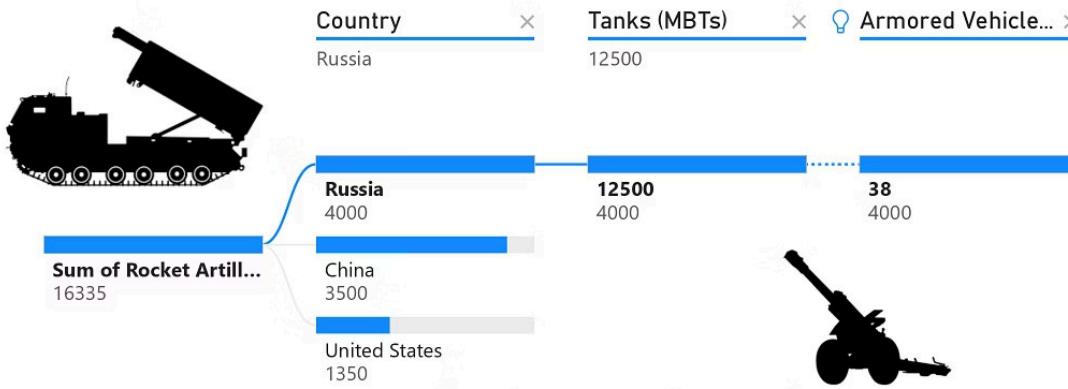
- The US, China, Russia dominate global defense budgets
- Reserve & paramilitary strength highest in Pakistan, Vietnam & Russia
- Scatter plot links population vs. fit-for-service, showing high readiness

## Geographic Distribution

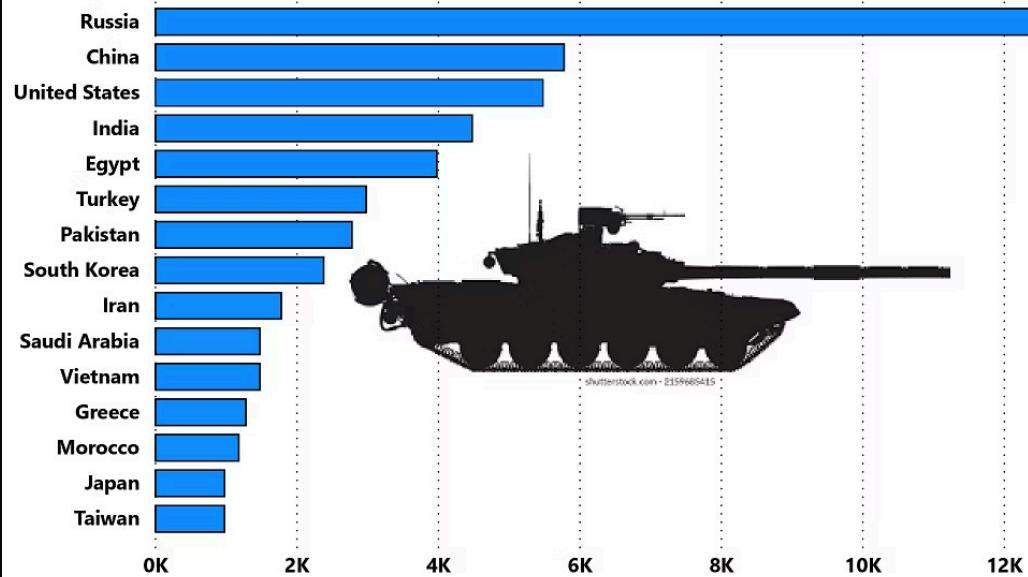
The global map visual highlights the regional distribution of spending and manpower, revealing clear power concentration in North America, Eastern Europe, and Asia-Pacific regions.

# LAND POWER ANALYSIS

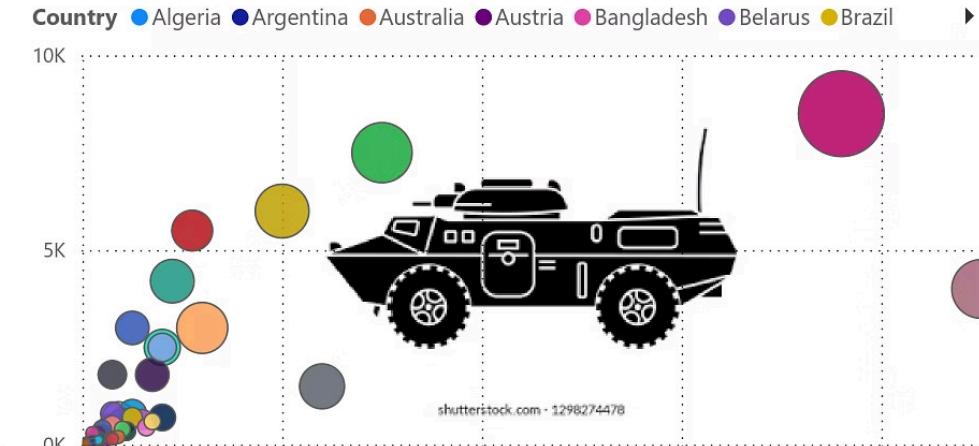
Rocket Artillery Distribution



Tanks (MBTs) by Country (Bar Chart)



Armored Vehicles vs Artillery (Scatter Plot)



Top 5 Land-Dominant Forces (Rank Table)

Country	Sum of Armored Vehicles (k)	Sum of Tanks (MBTs)	Sum of Artillery (Total)	Sum of Rocket Artillery (Total)
United States	45.00	5500	4000	1350
Russia	38.00	12500	8500	4000
China	15.00	5800	7500	3500
Turkey	12.00	3000	1500	300
India	10.00	4500	6000	1300
Egypt	6.00	4000	3000	600
South Korea	5.50	2400	5500	500
Pakistan	4.50	2800	4200	500
Iran	4.00	1800	2500	1000
Saudi Arabia	3.50	1500	1800	300
Vietnam	2.50	1500	3000	400
<b>Total</b>	<b>146.00</b>	<b>45300</b>	<b>47500</b>	<b>13750</b>

# Land Power Analysis

## Ground Forces & Armor Capabilities



### Armored Dominance

Russia leads in **tanks** (12,500) and demonstrates strong artillery strength. The U.S. ranks high in armored vehicles and modern land systems integration.

The scatter plot reveals the correlation between **armored vehicles** and **artillery** among mid-power countries.

1

Russia

12,500 tanks, extensive artillery & rocket systems

2

United States

Modern armored vehicles, advanced battle systems

3

China

Rapid modernization, growing mechanized forces

4

Turkey

Strong regional land power, domestic production

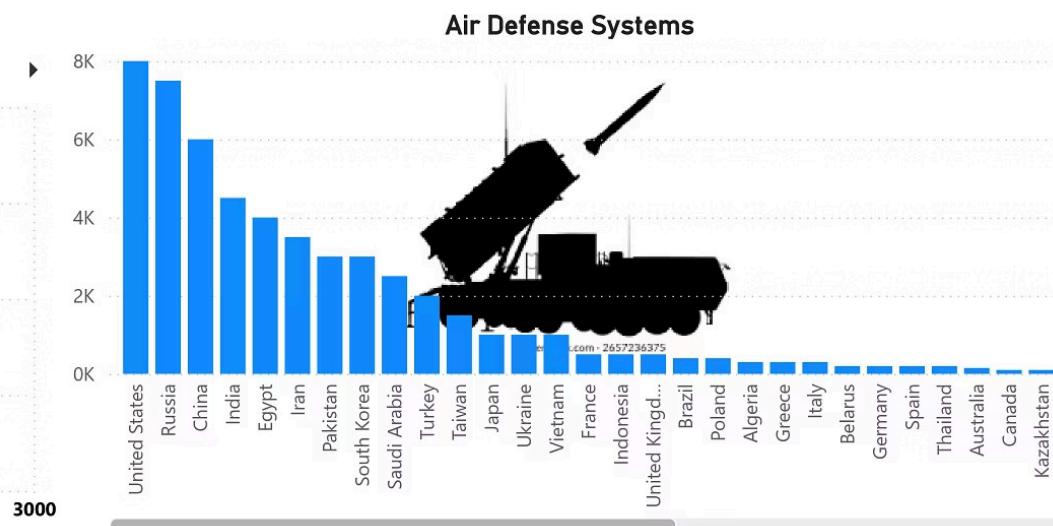
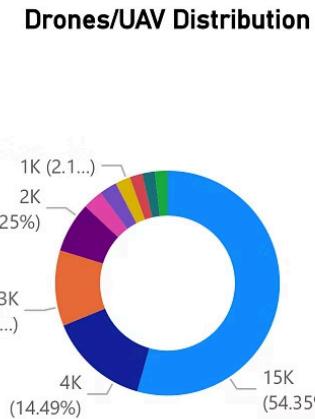
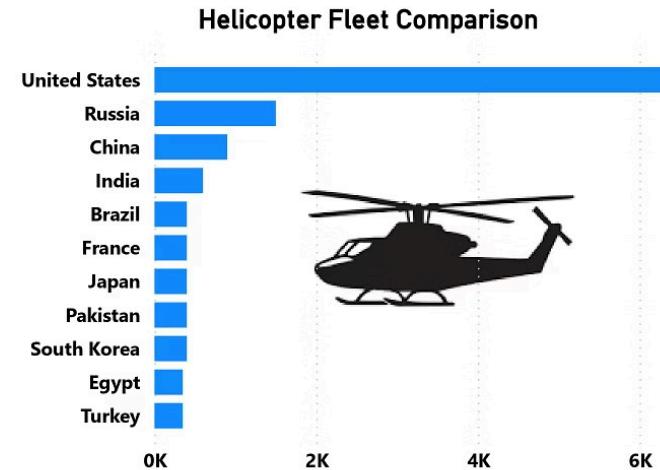
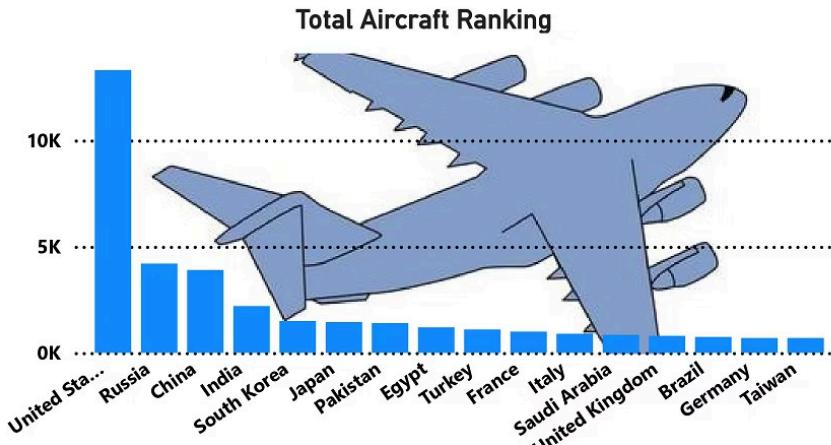
5

India

Large tank fleet, mountain warfare capability

**Rocket artillery distribution** shows the U.S., Russia, and China dominating long-range strike capability, essential for modern combined-arms operations.

# AIR POWER ANALYSIS



# Air Power Analysis

## Aviation Superiority & Strike Capability



### Multi-Role Dominance

Fighter vs. attack aircraft scatter reveals the U.S. & China as multi-role air superpowers with comprehensive strike capabilities.



### Rotary Wing Fleet

The U.S. leads massively with **6,500+ helicopter units**, providing unmatched air mobility and close support.



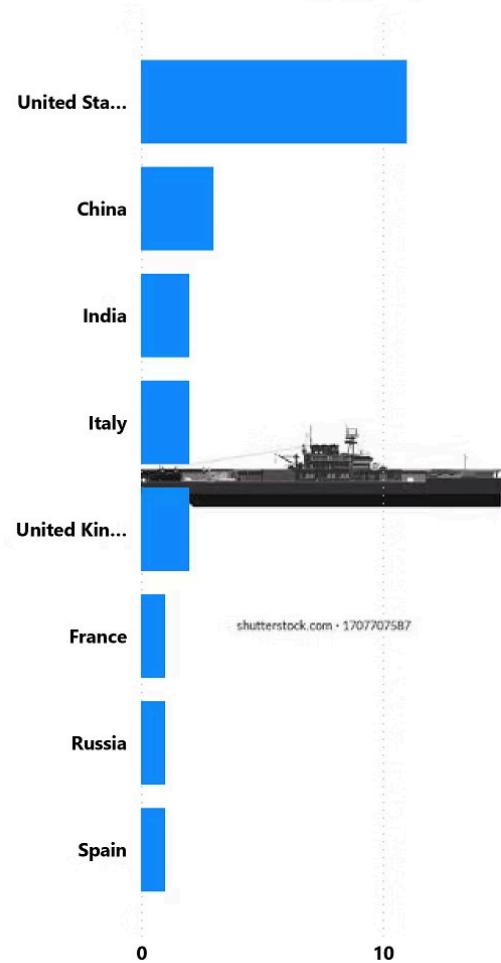
### UAV Revolution

Drone distribution shows the U.S., China, and Turkey as the strongest unmanned aerial nations, followed by Russia and India trying to become one of them.

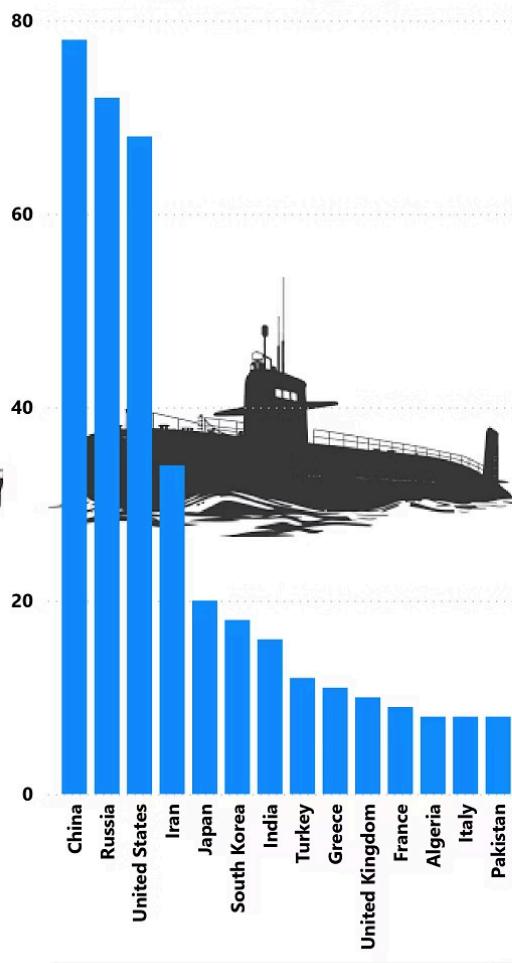
Airpower reflects national strike capability, air mobility, ISR operations, and the ability to project force across theaters.

# NAVAL POWER ANALYSIS

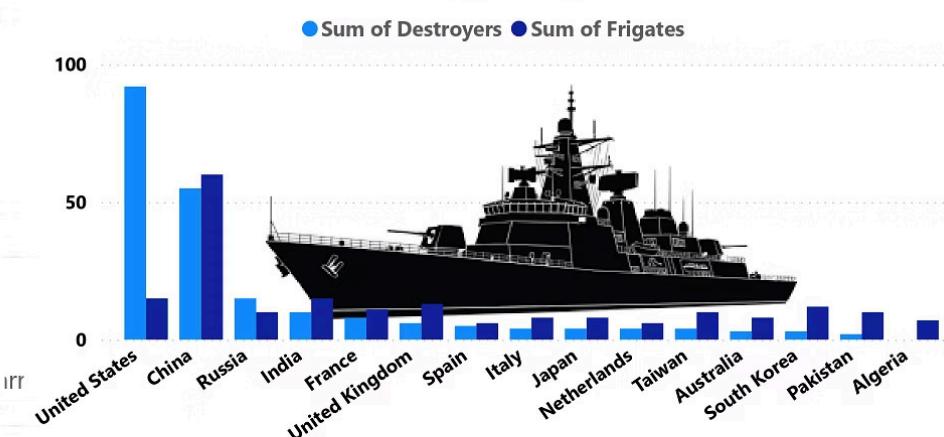
Aircraft Carriers by Country



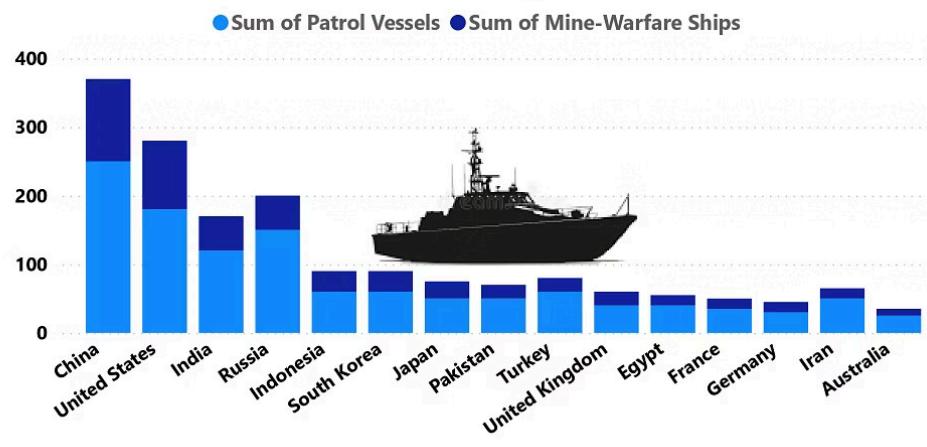
Submarine Fleet Strength



Destroyers + Frigates



Patrol Vessels & Mine Warfare Ships



# Naval Power Analysis

## Blue-Water Capabilities & Maritime Dominance



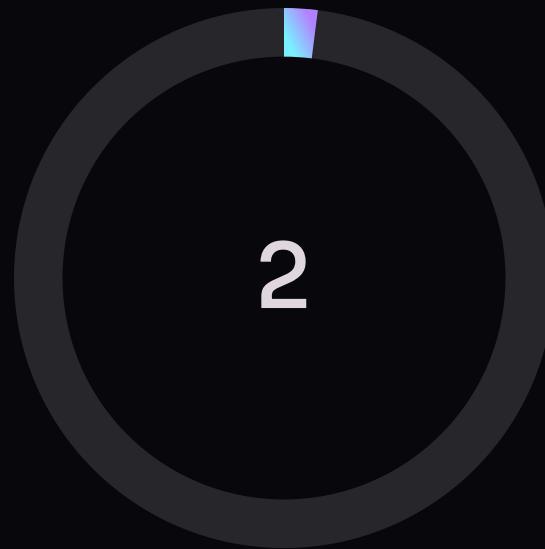
U.S. Aircraft Carriers

Unmatched power projection



China Carriers

Rapidly growing fleet



India Carriers

Regional dominance

## Surface Combatants

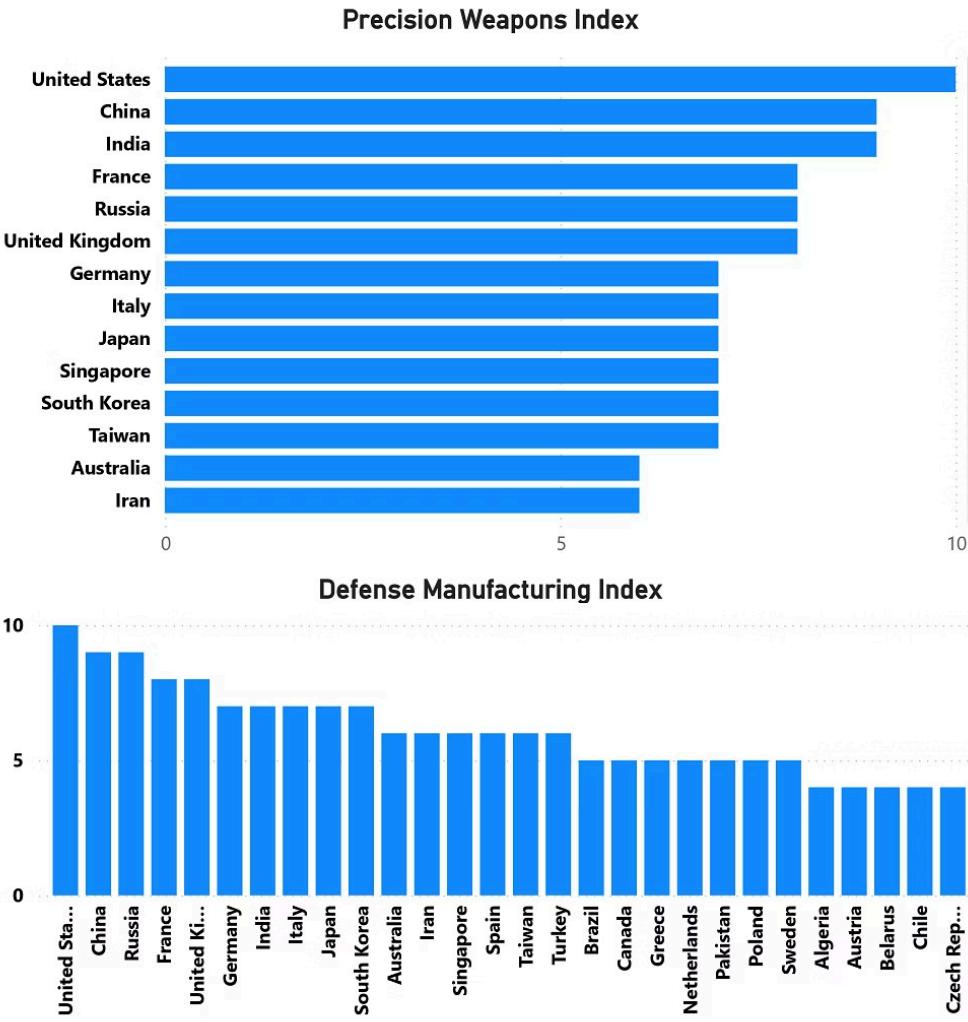
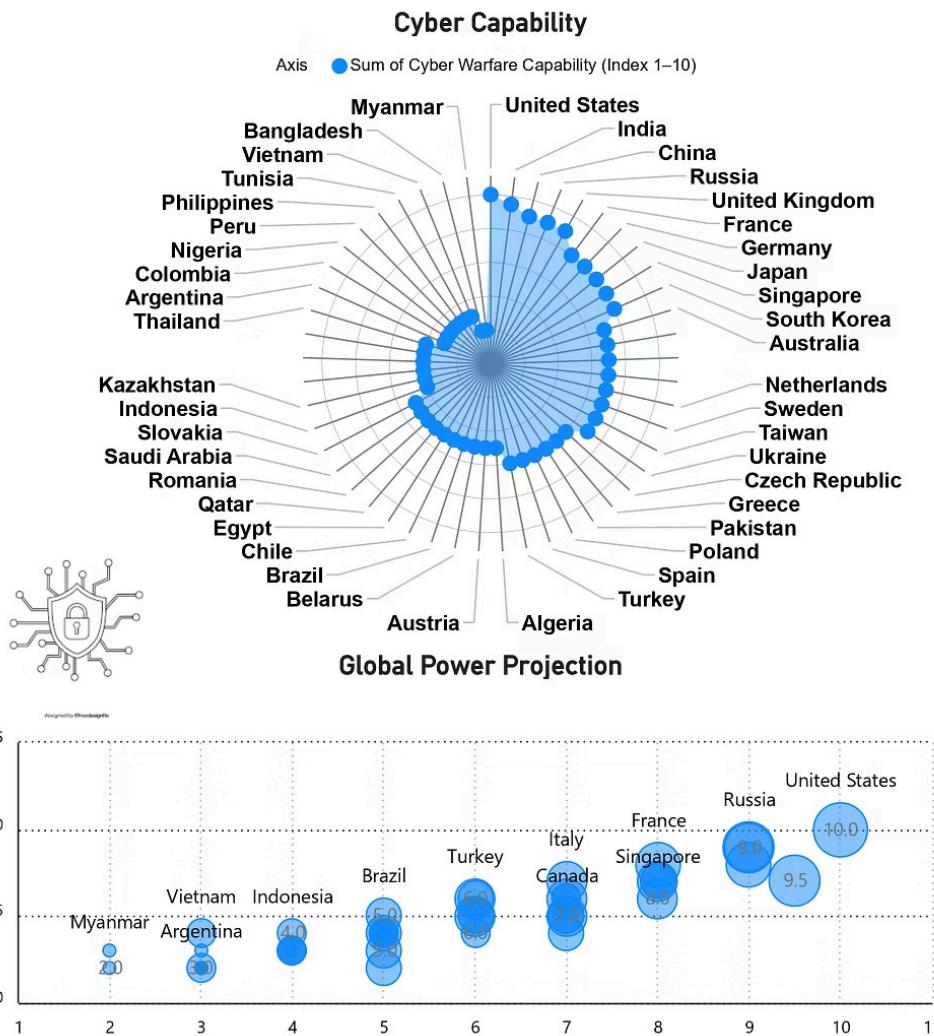
Destroyers & frigates: The U.S. and China dominate blue-water capability, maintaining global naval presence and sea control operations.

## Submarine Warfare

- **China:** 78 submarines (largest fleet)
- **Russia:** 72 submarines (nuclear & conventional)
- **United States:** 68 submarines (all nuclear)

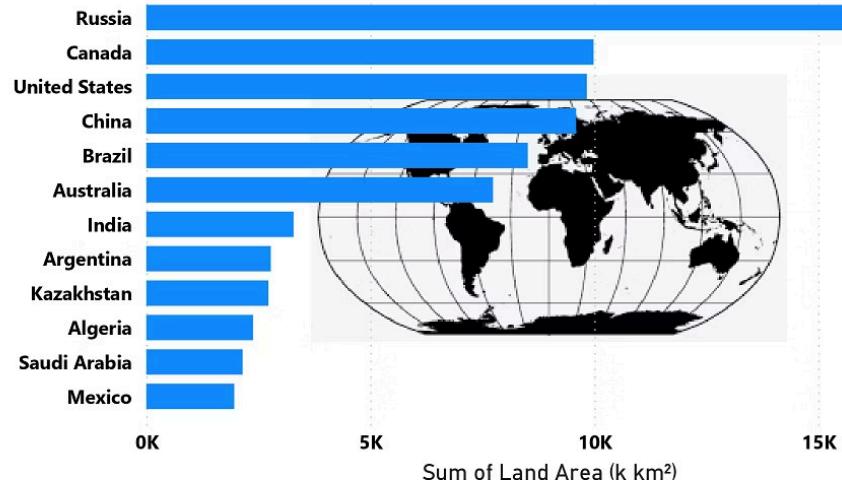
Patrol & mine-warfare ships show regional defense roles for India, Russia, Japan & Turkey. Overall naval dominance belongs to the U.S., China, Russia, and India, reflecting full oceanic reach and expeditionary capability.

# TECHNOLOGY & CAPABILITY INDEX

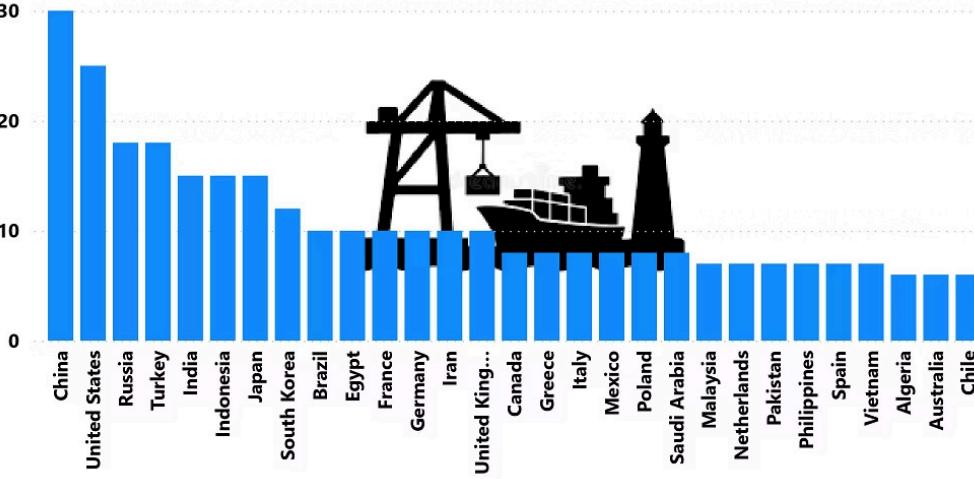


# GEOGRAPHY & LOGISTICS

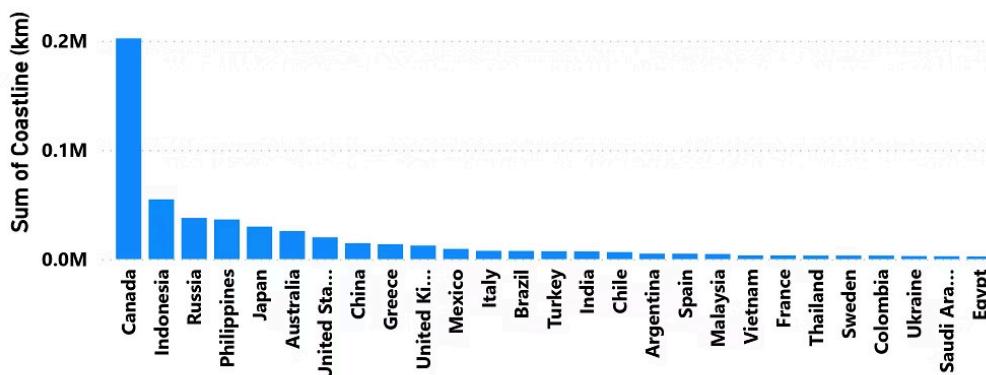
Land Area Comparison



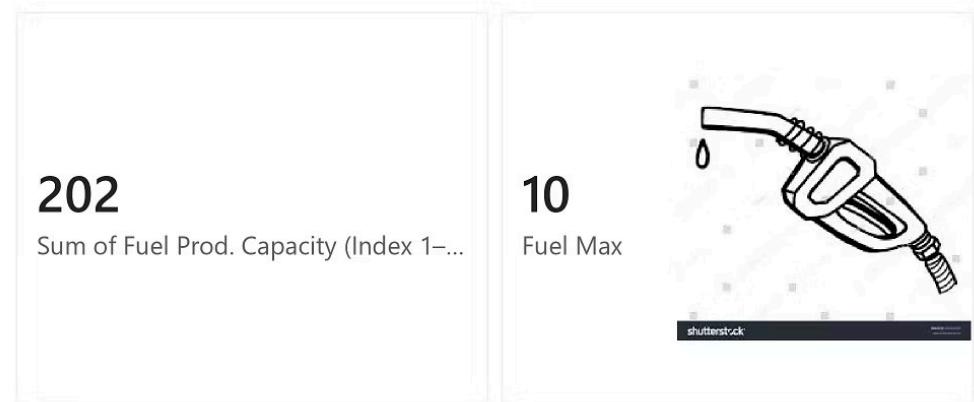
Ports Count



Coastline Length



Fuel Production Capacity



# Technology, Cyber & Logistics Strength

## Strategic Readiness Beyond Raw Military Counts



### Cyber Power Leaders

**US (10), India (9), China (9),  
Russia (9)**

Advanced offensive and  
defensive cyber capabilities



### Precision Weapons Index

U.S., China, India, and France  
stay at the top

Smart munitions and guided  
strike systems



### Defense Manufacturing

U.S., China, Russia, and India  
rank highest

Domestic production  
capacity and supply chains

## Logistics & Geographic Advantages

### Land Area

1. Russia
2. Canada
3. United States
4. China

### Coastlines

1. Canada
2. Indonesia
3. India
4. Philippines

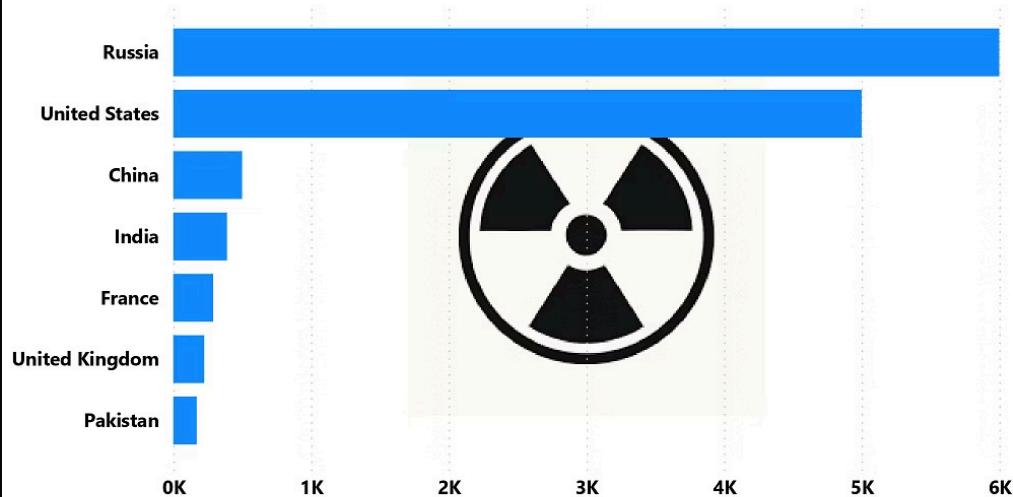
### Port Facilities

1. China
2. United States
3. Russia
4. Turkey

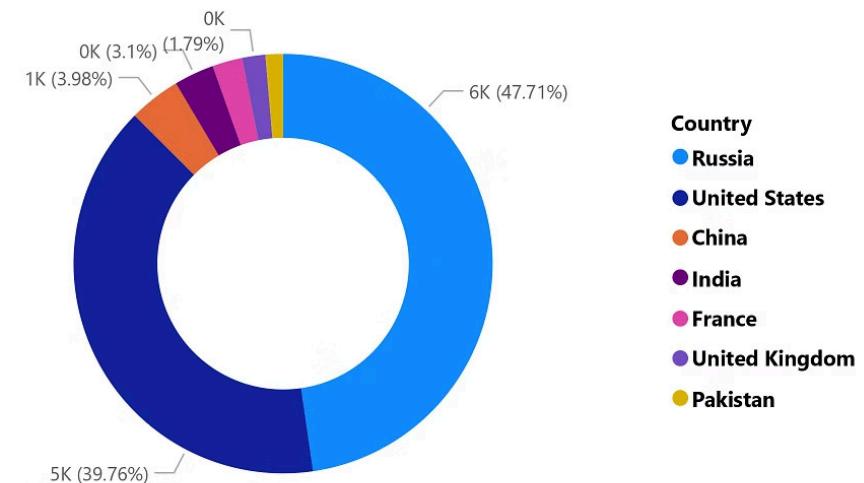
The fuel capacity index highlights the U.S. and Saudi Arabia as energy-independent powers capable of sustained operations.

# NUCLEAR CAPABILITY

Nuclear Stockpile

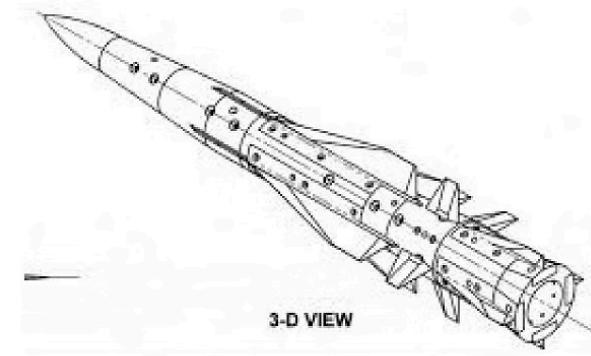


Nuclear Nations Distribution



Delivery Systems Type

Country	Extensive	Limited	Limited/working on it	SLBM Only	Total
France				SLBM Only	SLBM Only
United Kingdom				SLBM Only	SLBM Only
India			Limited/working on it		Limited/working on it
Iran		Limited			Limited
Pakistan		Limited			Limited
China	Extensive				Extensive
Russia	Extensive				Extensive
United States	Extensive				Extensive



# Nuclear Capability & Strategic Conclusion

## Nuclear Stockpiles & Delivery Systems



Russia

Largest nuclear arsenal, full triad capability



United States

Advanced delivery systems,  
ICBM/SLBM/bombers



China

Rapidly modernizing, full triad development



India

Developing triad capability, regional  
deterrence, and advanced delivery systems

The nuclear distribution shows heavy concentration among the top 3 nations. **40+ countries** maintain conventional-only forces without nuclear weapons.

### Key Conclusion

This multi-domain Power BI project delivers an [intelligence-grade visualization](#) of global military power, clearly revealing the four dominant nations shaping global security today—the **United States, China, India, and Russia**.

Compared to all other countries, these four consistently rank at the top across defense spending, manpower, land systems, air power, naval strength, technology, logistics, and nuclear capability.

The dashboards enable precise country comparisons, capability assessment, and strategic analysis based on authentic defense data, giving a complete picture of how global military dominance is distributed across multiple operational domains.