

Olympic Athletes

show me medals for hockey and skating by country

Click to Speak

Submit

Data Overview:

**Athlete:** Michael Phelps, Natalie Coughlin, Sun Yang, ...  
**Age:** 15-61  
**Country:** United States, Australia, Russia, ...  
**Year:** 2000-2012  
**Sport:** Swimming, Diving, Cycling, ...  
**Gold Medal:** 0-8  
**Silver Medal:** 0-3  
**Bronze Medal:** 0-3  
**Total Medal:** 1-8



show me medal for hockey and skating by country



- TotalMedals
- BronzeMedals
- SilverMedals
- GoldMedals

- Hockey (Sport)
- IceHockey (Sport)

- FigureSkating (Sport)
- Short-TrackSpeedSkating (Sport)
- SpeedSkating (Sport)

# DataTone

Chandramita Dutta,  
Academic Researcher



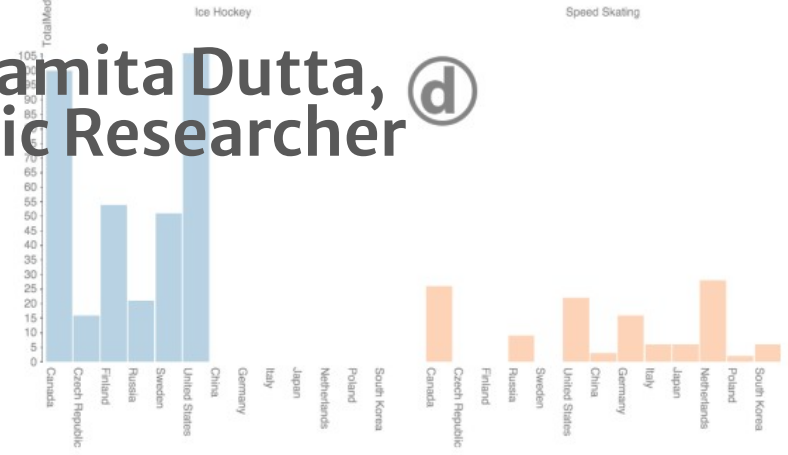
- Color**
- Color by Country
  - Color by Sport
  - Single Color

- Group Order**
- Group by Sport then by Country
  - Group by Country then by Sport

Sample Queries:

Empty text box for sample queries

Figure 1: Bar chart showing Total Medals (Y-axis) by Country (X-axis) for Ice Hockey and Speed Skating. The chart is titled "Total Medals (Speed Skating and Ice Hockey) by Sport, Country".

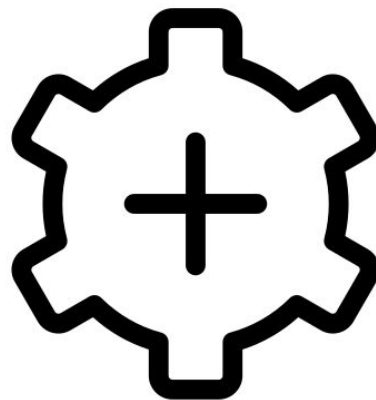


# Summary

- Natural Language interface
- User question -> DSPs -> VSPs -> Visualisation
- Ambiguity widgets help align system decisions to user preferences
- Preserves preferences in a session
- Enables exploration of potentially related data

# Advanced Features

- Enable using multiple tables
  - E.g Customer table, purchases table
- Granular control to users in ambiguity widgets
  - add check boxes and sliders
- Improve visualisation ranking using ML
  - user's historical preferences and feedback
- Provide breadcrumbs to users
  - Help them navigate through their path
- Integrate LLMs



# Better Visual Experience

- Dual axis visualization
  - E.g. oil prices and inflation over time
- Complex visualizations using NL
  - E.g. Sankey charts for flows, graphs for networks
- Explain generated visualisations
  - Natural language generation

