



دانشگاه شهید بهشتی کرمان

دانشکده فنی و مهندسی

بخش مهندسی معدن

درس اقتصاد معدنی

دکتر محسن طاهری مقدم

زمستان ۱۳۹۴

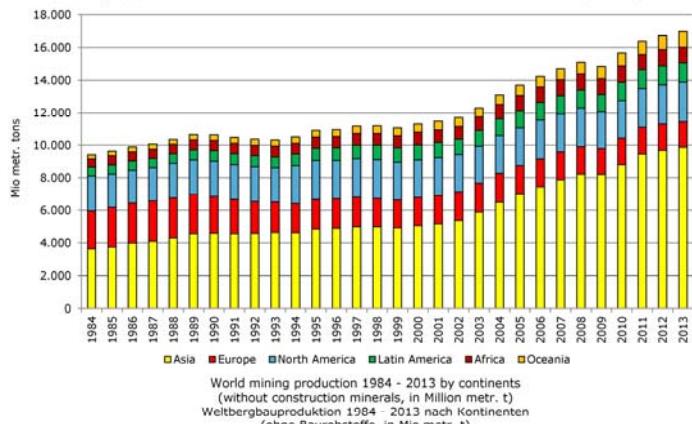


اقتصاد مواد معدنی



World Mining Data 2015

www.bmwf.at

bmwfw
Bundesministerium für
Wissenschaft, Forschung und Wirtschaft

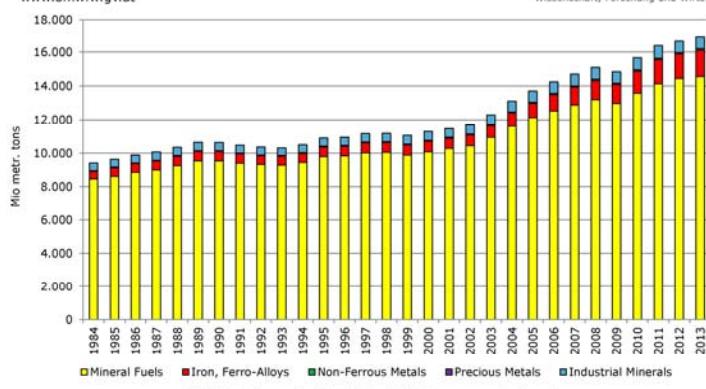
SOURCE: REICHL, C., SCHATZ, M. & G. ZSAK: WORLD MINING DATA 2015

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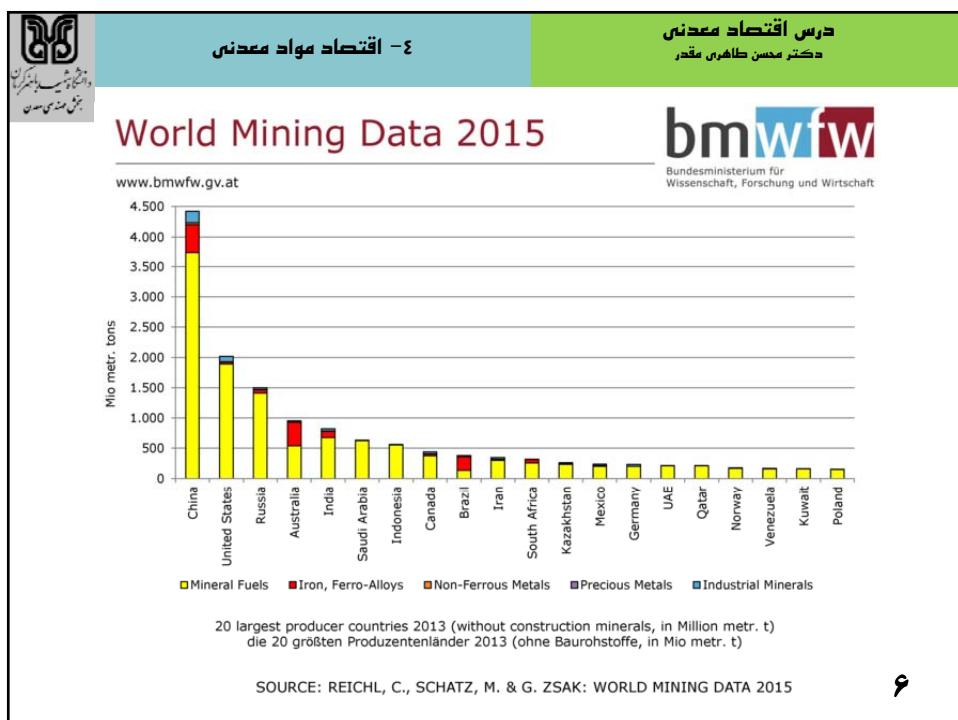
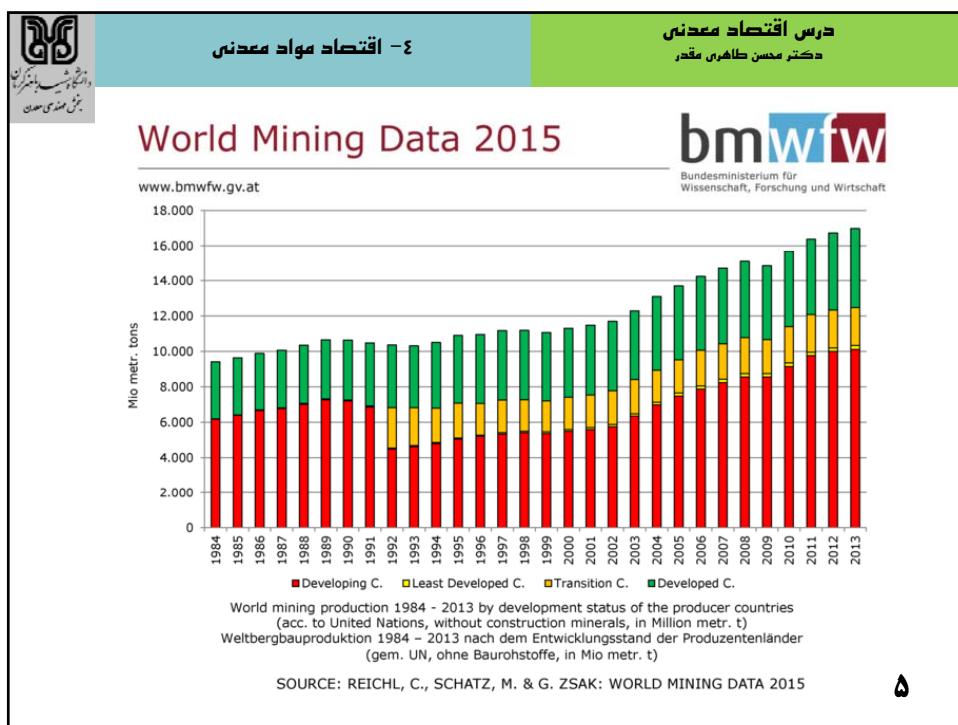
World Mining Data 2015

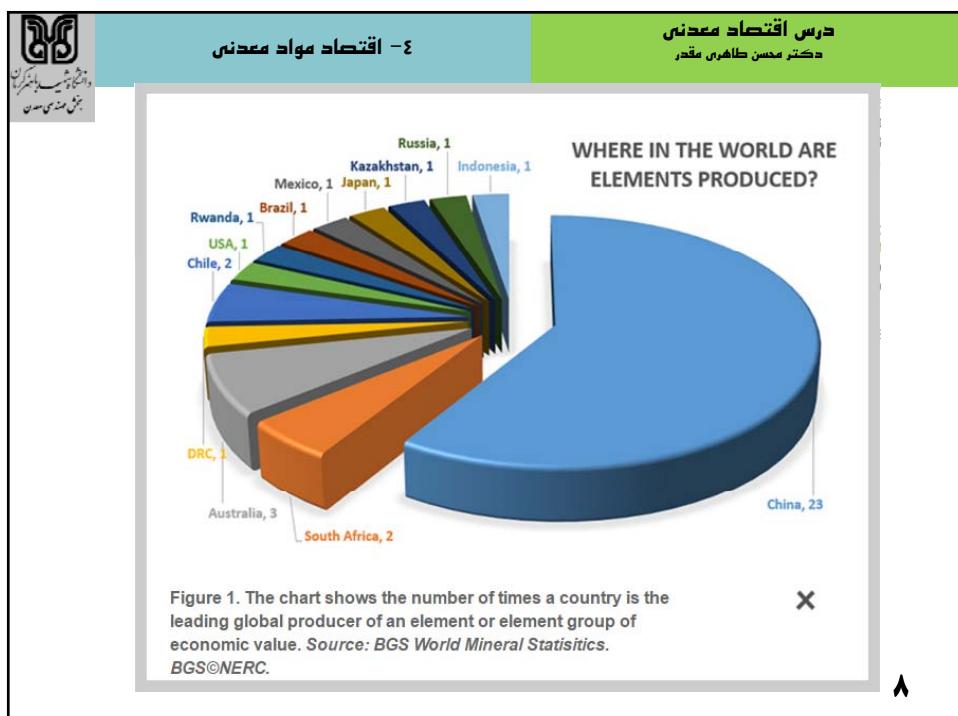
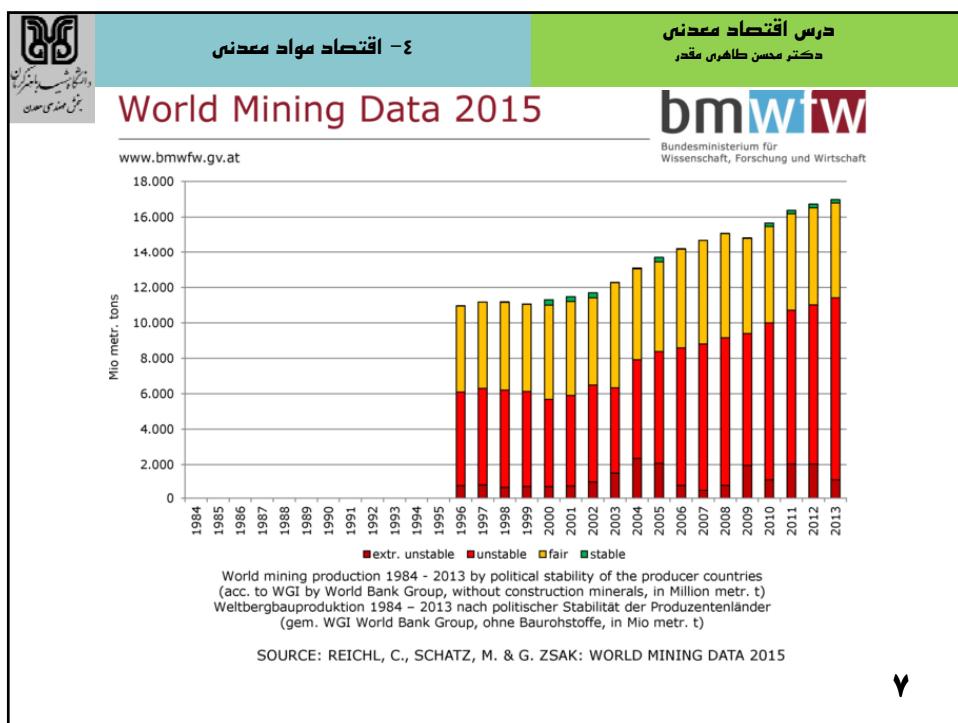
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SOURCE: REICHL, C., SCHATZ, M. & G. ZSAK: WORLD MINING DATA 2015

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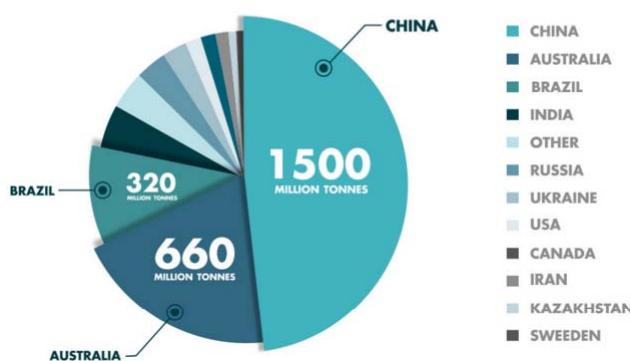
THE WORLD'S BIGGEST IRON ORE PRODUCERS

More than 50 countries around the world produce iron ore for both domestic use and export markets.

The world's top 10 iron ore producers

| Country | 2013 (millions of tonnes) | 2014 (millions of tonnes) |
|-----------------|---------------------------|---------------------------|
| US | 53 | 58 |
| Australia | 609 | 660 |
| Brazil | 317 | 320 |
| Canada | 43 | 41 |
| China | 1450 | 1500 |
| India | 150 | 150 |
| Iran | 50 | 45 |
| Kazakhstan | 26 | 26 |
| Russia | 105 | 105 |
| Sweden | 26 | 26 |
| Ukraine | 82 | 82 |
| Other Countries | 127 | 131 |
| Total | 3110 | 3220 |

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WHICH COUNTRIES ARE THE BIGGEST IRON ORE CONSUMERS?

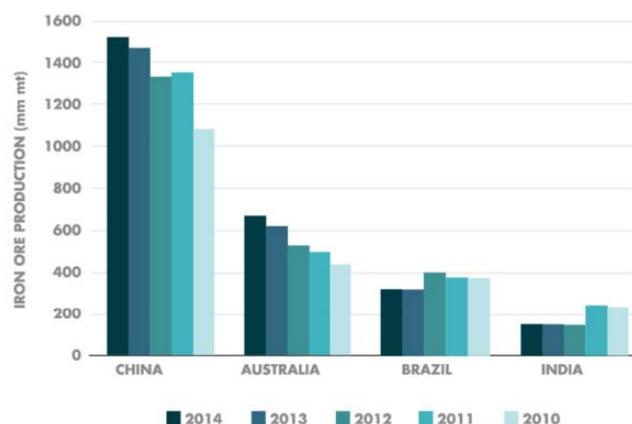
TOP 20 STEEL-CONSUMING COUNTRIES 2013 (MILLION TONNES)



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TOP IRON ORE PRODUCERS



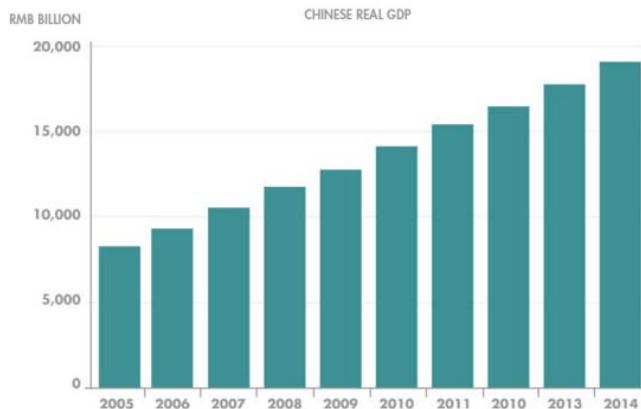
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۴- اقتصاد مواد معدنی

درس اقتصاد معدنی
دکتر محسن طاهری مقدم

CHINA GROWTH STILL ROBUST



NOTE: 1990 Prices
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۴- اقتصاد مواد معدنی

درس اقتصاد معدنی
دکتر محسن طاهری مقدم

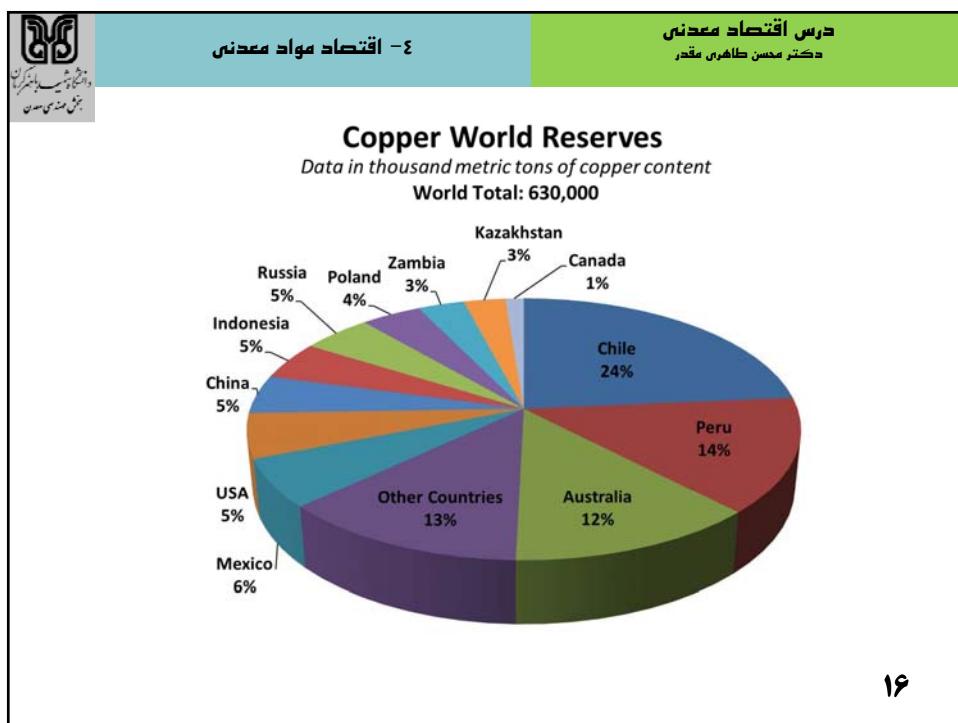
IRON ORE PRICES 1985-2015



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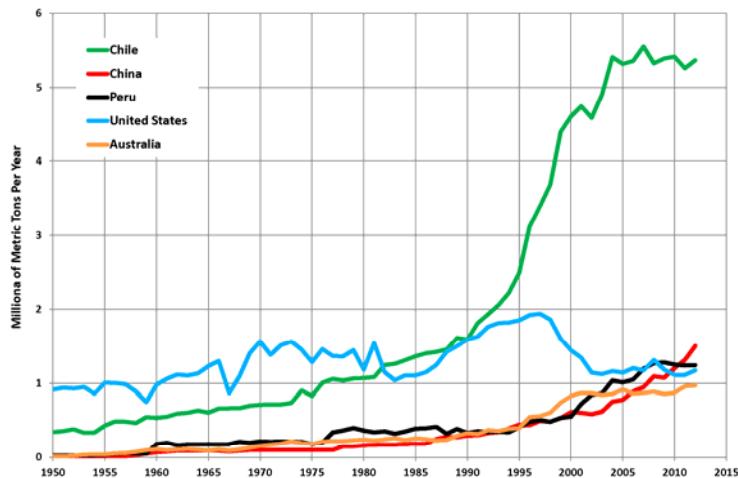


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٤- اقتصاد مواد معدنی

درس اقتصاد معدنی
دکتر محسن طاهری مقدم

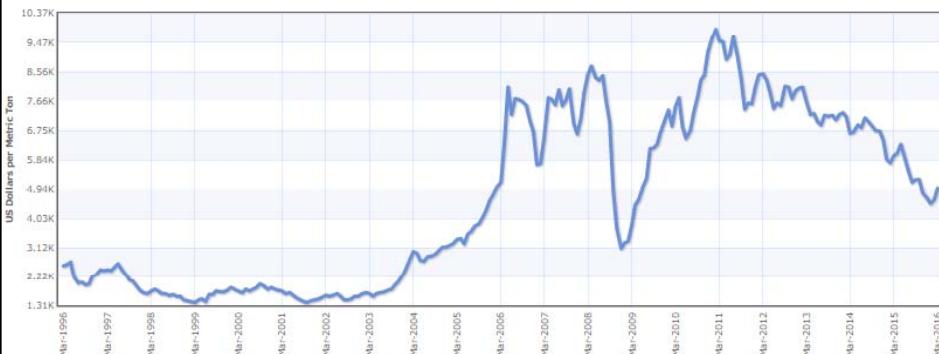


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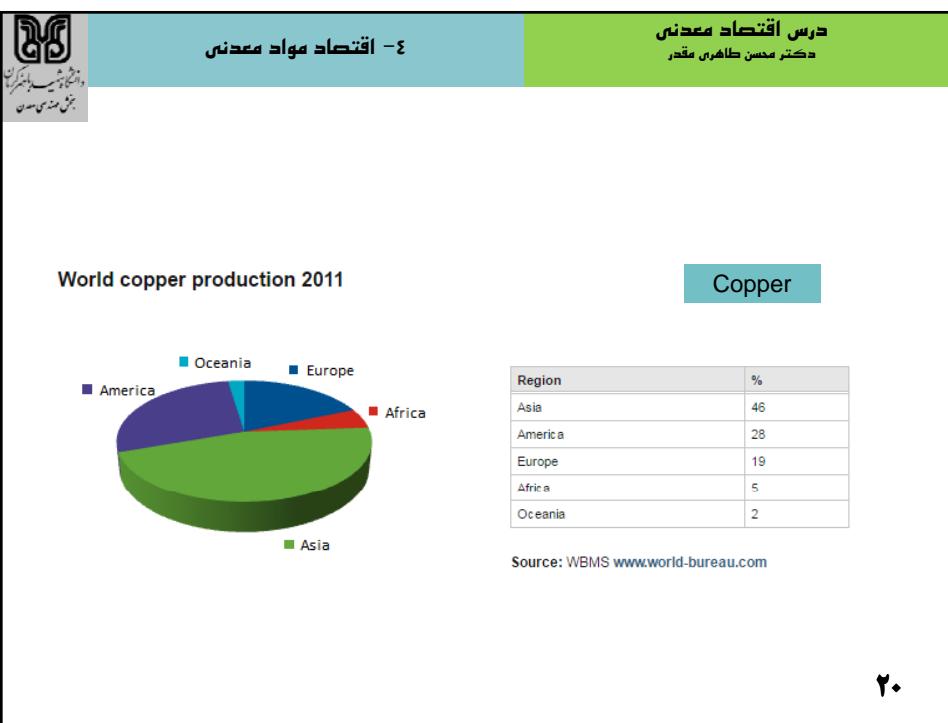


٤- اقتصاد مواد معدنی

درس اقتصاد معدنی
دکتر محسن طاهری مقدم



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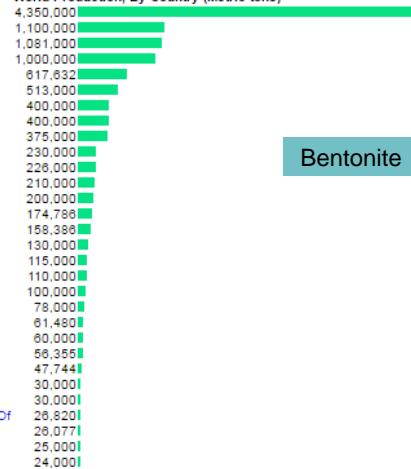
٤- اقتصاد مواد معدنی



Rank Country

| | |
|----|--|
| 1 | United States |
| 2 | Turkey |
| 3 | India |
| 4 | Greece |
| 5 | Mexico |
| 6 | Brazil |
| 7 | Iran, Islamic Republic Of |
| 8 | Japan |
| 9 | Germany |
| 10 | Australia |
| 11 | Czech Republic |
| 12 | Ukraine |
| 13 | Argentina |
| 14 | South Africa |
| 15 | Cyprus |
| 16 | Slovakia |
| 17 | Spain |
| 18 | Italy |
| 19 | Morocco |
| 20 | Bulgaria |
| 21 | Turkmenistan |
| 22 | Azerbaijan |
| 23 | Denmark |
| 24 | Peru |
| 25 | Egypt |
| 26 | Algeria |
| 27 | Macedonia, The Former Yugoslav Republic Of |
| 28 | Pakistan |
| 29 | Uzbekistan |
| 30 | Mozambique |

World Production, By Country (Metric tons)



Bentonite

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٤- اقتصاد مواد معدنی



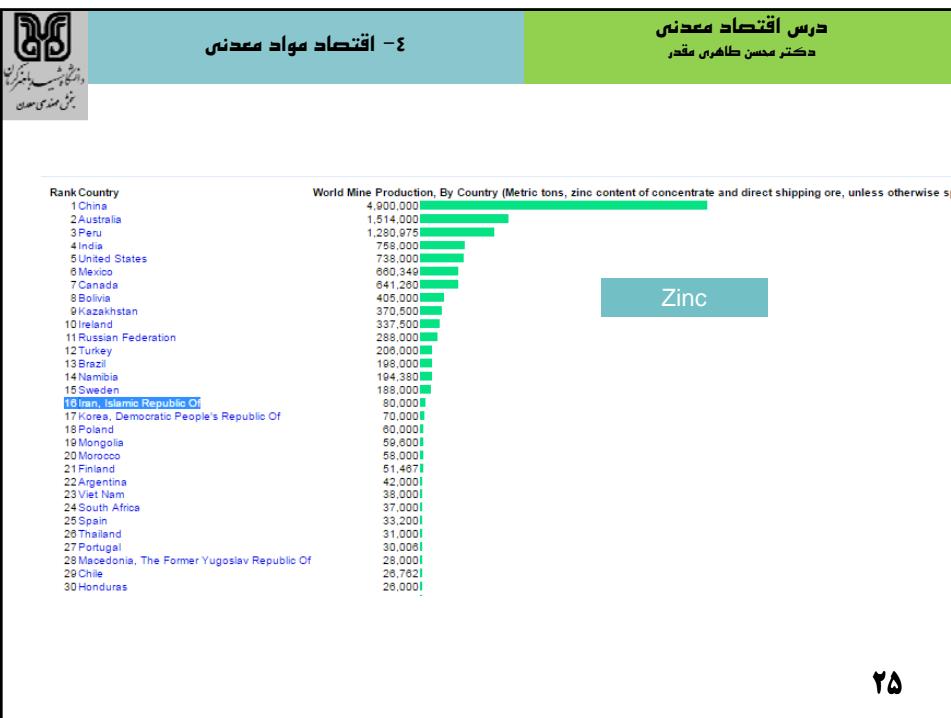
Rank Country

| | |
|----|---------------------------|
| 1 | South Africa |
| 2 | Kazakhstan |
| 3 | India |
| 4 | Turkey |
| 5 | Russian Federation |
| 6 | Oman |
| 7 | Zimbabwe |
| 8 | Brazil |
| 9 | Australia |
| 10 | Finland |
| 11 | Albania |
| 12 | Pakistan |
| 13 | China |
| 14 | Iran, Islamic Republic Of |
| 15 | Madagascar |
| 16 | Viet Nam |
| 17 | Philippines |
| 18 | Sudan |
| 19 | Afghanistan |
| 20 | Greece |

World Production, By Country (Metric tons, gross weight)

Chromite

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۴- اقتصاد مواد معدنی

درس اقتصاد معدنی
دکتر محسن طاهری مقدم

| Rank Country | World Mine Production, By Country (Metric tons of contained molybdenum) |
|-----------------------------|---|
| 1 China | 101,000 |
| 2 United States | 60,700 |
| 3 Chile | 38,715 |
| 4 Peru | 18,140 |
| 5 Mexico | 12,100 |
| 6 Canada | 7,818 |
| 7 Armenia | 6,700 |
| 8 Russian Federation | 4,800 |
| 9 Iran, Islamic Republic Of | 4,000 |
| 10 Mongolia | 1,900 |
| 11 Turkey | 1,500 |
| 12 Uzbekistan | 530 |

Molybdenum

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۴- اقتصاد مواد معدنی

درس اقتصاد معدنی
دکتر محسن طاهری مقدم

| Rank Country | World Production, By Country (Thousand metric tons) |
|------------------------------|---|
| 1 China | 19,500 |
| 2 Australia | 18,844 |
| 3 Brazil | 6,890 |
| 4 Jamaica | 3,941 |
| 5 United States | 3,900 |
| 6 Russian Federation | 3,300 |
| 7 India | 2,900 |
| 8 Suriname | 2,200 |
| 9 Venezuela | 1,900 |
| 10 Ukraine | 1,700 |
| 11 Kazakhstan | 1,558 |
| 12 Spain | 1,400 |
| 13 Italy | 1,327 |
| 14 Canada | 1,220 |
| 15 Ireland | 1,100 |
| 16 Germany | 850 |
| 17 Greece | 750 |
| 18 Guinea | 610 |
| 19 Bosnia and Herzegovina | 350 |
| 20 Japan | 330 |
| 21 Hungary | 270 |
| 22 Iran, Islamic Republic Of | 250 |
| 23 Montenegro | 240 |
| 24 France | 200 |
| 25 Azerbaijan | 185 |
| 26 Turkey | 160 |
| 27 Slovakia | 160 |
| 28 Slovenia | 30 |
| 29 United Kingdom | 27 |
| 30 Romania | 23 |

Alumina

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٤- اقتصاد مواد معدنی

درس اقتصاد معدنی

دکتر محسن طاهری مقدم

Rank Country

| Rank | Country | World Production, By Country (Thousand metric tons) |
|------|---------------------------|---|
| 1 | China | 70,000 |
| 2 | United States | 40,300 |
| 3 | India | 16,000 |
| 4 | Canada | 12,210.08 |
| 5 | Germany | 11,900 |
| 6 | Australia | 11,000 |
| 7 | Mexico | 10,800 |
| 8 | Brazil | 7,495 |
| 9 | United Kingdom | 6,700 |
| 10 | Chile | 6,576.98 |
| 11 | Ukraine | 6,200 |
| 12 | France | 6,100 |
| 13 | Turkey | 5,300 |
| 14 | Spain | 4,440 |
| 15 | Poland | 4,430 |
| 16 | Iran, Islamic Republic Of | 3,000 |
| 17 | Egypt | 3,000 |
| 18 | Belarus | 2,652.3 |
| 19 | Romania | 2,240 |
| 20 | Pakistan | 2,200 |
| 21 | Italy | 2,200 |
| 22 | Bulgaria | 2,100 |
| 23 | Saudi Arabia | 2,000 |
| 24 | Russian Federation | 1,850 |
| 25 | Tunisia | 1,500 |
| 26 | Argentina | 1,500 |
| 27 | Bangladesh | 1,410 |
| 28 | Peru | 1,200.65 |
| 29 | Viet Nam | 1,200 |
| 30 | Bahamas | 1,000 |
| 31 | Japan | 1,000 |
| 32 | Austria | 950 |

Salt

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