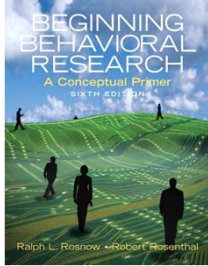


Ch. 1: Behavioral Research and the Scientific Method



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Psychology is a Science

- Psychology is the scientific study of *behavior and mental processes*.
- The same methods that are used for biology, chemistry, and physics can be applied to study *behavior, thought, emotion, and physiological processes*.

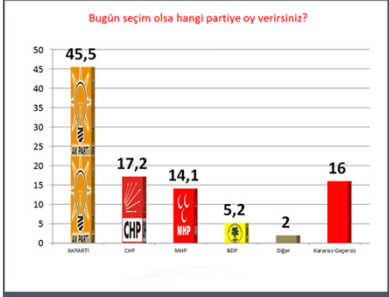
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Why Study Research Methods?

- Science and technology in modern life
- “Smart” consumer of research
- Acquire useful information and skills
- Understanding the limitations
- Possible career

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Science and technology in modern life (Opinion Pools)




Parti	Oy Oranı (%)
AKPARTİ	45,5
CHP	17,2
MHP	14,1
BDP	5,2
Diğer	2
Kararı Değil	16

“Smart” consumer of research

- Well-grounded scientific conclusions vs. dubious claims





4. Bel çukuruza ezalın : Vücudumuzun tüm hareketlerinde en fazla yükü taşıyan bölge bel bölgesidir. Bu yüzden bel bölgesindeki kaslarımız güçlü olmalıdır. Bel çukuruza fazla olmasa belimiz gıcıklaşır. Bu aşamada ayaklarımız omuz genişliğinde açıkken kalpimizi hafif öne doğru getirerek bel kaslarımızı uzatır.



5. Doğru nefes alın : Burundan nefes alın ve göğüs kafesinizi girin nefes alırken omuz başlarınızı sabit tutun daha sonra ağzımdan nefes verin ve göğüs yükseltilmiş hiç bozmadan göbeğinizi öneye doğru çekin.

6. Bütünüze arkasını getirin : Ayaklarımız omuz genişliğinde açık pozisyonunda yere sağlam basın ve dizinizin arkasında bulunan kasları arkaya doğru çekin.



Mustafa Kurmuş - 20 yaşında
peki bunlar her zaman kesin sonuç verir mi mesela ben 15 yaşındayım her zaman dik yürüyorum bunları yapmayı hiç bırakmaz sem boy etabim kesin mi tabii ergenlik bitene kadar :??? teşekkür
Yarıta - #04 - Beğen - 4 Nisan, 06:15

Meltem Yıldır
ben 15 yaşını doldurdum boyum 1.65 acaba 1.70 olabilir mi bu tetriskeri uygularsam ?
Yarıta - #05 - Beğen - 22 Mayıs, 05:57

Resim Yapan At: Justin

- <http://video.milliyet.com.tr/video-izle/ABD-de-resim-yapan-at-Justin-nLcnO5eKmFaJ.html>

Acquire useful information and skills

- In decision-making field
 - Government
 - Business
 - Health-care
- Statistical significance vs. Practical significance

Understanding the Limitations

- Scientific research is limited
 - Meaning and generalizability of results are limited
- Ex: Drugs administered to young and healthy volunteers may not apply to aged, hospitalized patients
- Ex: Even so, repetition of results across different labs and settings is important

Understanding the Limitations

- Box 1.1
- Scientific knowledge is relative
- Scientific knowledge changes constantly
 - Today's theories will be falsified by tomorrow's findings

Understanding the Limitations

- Scientific research is not always conducted responsibly



Possible career

- You may find that studying and doing research can be an exciting career.

Alternatives to the Scientific Method

- Peirce's (1966) Foundation of Beliefs
 - "The fixation of beliefs"
 - Scientific method and empirical reasoning

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Activity

- Write down 5 things that you believe true
- "Why do you believe that this is true?"

Alternatives to the Scientific Method

- Peirce's (1966) Foundation of Beliefs
 - "The fixation of beliefs"
 - Scientific method and empirical reasoning
 - Method of tenacity
 - It's always been that way

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Alternatives to the Scientific Method

- Method of authority
 - Someone in authority said so
- Burning witches?
- Using a prescribed drug?
- Credible authority

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Alternatives to the Scientific Method

- A priori method “the fixation of beliefs”
 - Personal logic and reason

- Planning our career path
- Calculating tip in a restaurant

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Activity

- Classify the sources of knowledge
 - Tenacity
 - Authority
 - A Priori
 - Scientific