Appendix to Accompany 'Bayesian Overconfidence'

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A Full Regression Results

The complete regression results (including difficulty, block, and interaction effects) are provided in Table 1. These regressions omit one dummy variable and code the remaining dummies as negative one for the omitted category. This procedure allows the inclusion of a constant term, giving an estimate for the overall average, and guarantees that the treatment effects sum to zero, as in an ANOVA procedure. The significance results are equivalent to a regression with a full set of dummies and no constant term, as in the manuscript (see, for example, Neter *et al.* (1996, p. 696)), such as those provided in the manuscript.

B The Quizzes

The eighteen trivia quizzes are shown in Table 2, with one quiz per page. The mean, median, and variance of scores on the quiz are shown for each quiz, along with the quiz ID number (1 through 18), the topic, and the difficulty level. Recall that quizzes were randomly placed into blocks with one difficulty level per block, and the order in which each subject encountered the six blocks was randomized. Therefore, the quiz ID numbers do not (necessarily) represent the order in which quizzes were shown to subjects.

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| Result | 1 | | 2 | | 3 | 4 |
|-----------|----------|-------------|----------------------|----------------------|----------------------|--------------------|
| Dependant | | | $E^0(Self)$ | $E^1(\text{Self})$ | Score | $E^1(\text{Self})$ |
| Variable | Score | $E^1(Self)$ | $-E^0(\text{Other})$ | $-E^1(\text{Other})$ | $-E^2(\text{Other})$ | -Score |
| Constant | 5.161 | 5.359 | 0.007 | -0.428 | -0.525 | 0.199 |
| | (84.06) | (85.34) | (0.19) | (-7.72) | (-8.86) | (6.26) |
| Easy | 3.703 | 3.285 | 0.002 | 0.813 | 0.894 | -0.418 |
| | (42.65) | (36.99) | (0.03) | (10.38) | (10.66) | (-9.31) |
| Difficult | -4.467 | -3.856 | 0.041 | -1.020 | -1.135 | 0.611 |
| | (-51.46) | (-43.42) | (0.82) | (-13.03) | (-13.54) | (13.60) |
| Block 1 | -0.043 | -0.034 | -0.061 | -0.064 | -0.096 | 0.009 |
| | (-0.31) | (-0.24) | (-0.76) | (-0.51) | (-0.73) | (0.13) |
| Block 2 | 0.234 | 0.243 | 0.015 | 0.191 | 0.096 | 0.009 |
| | (1.70) | (1.73) | (0.19) | (1.54) | (0.72) | (0.13) |
| Block 3 | -0.055 | -0.045 | 0.062 | -0.059 | -0.034 | 0.010 |
| | (-0.40) | (-0.32) | (0.77) | (-0.48) | (-0.25) | (0.15) |
| Block 4 | -0.055 | -0.069 | 0.003 | -0.098 | 0.021 | -0.014 |
| | (-0.40) | (-0.49) | (0.04) | (-0.79) | (0.16) | (-0.20) |
| Block 5 | -0.055 | -0.110 | -0.060 | 0.039 | 0.041 | -0.055 |
| | (-0.40) | (-0.78) | (-0.75) | (0.31) | (0.31) | (-0.77) |
| B1*Easy | -0.016 | -0.204 | -0.005 | 0.068 | 0.347 | -0.187 |
| | (-0.08) | (-1.02) | (-0.04) | (0.39) | (1.85) | (-1.86) |
| B1*Diff. | -0.114 | 0.218 | -0.039 | -0.227 | -0.541 | 0.332 |
| | (-0.59) | (1.10) | (-0.35) | (-1.30) | (-2.89) | (3.31) |
| B2*Easy | 0.024 | 0.034 | -0.119 | 0.059 | 0.162 | 0.010 |
| | (0.13) | (0.17) | (-1.05) | (0.34) | (0.87) | (0.10) |
| B2*Diff. | -0.183 | -0.186 | -0.009 | -0.130 | -0.233 | -0.003 |
| | (-0.94) | (-0.94) | (-0.08) | (-0.74) | (-1.25) | (-0.03) |
| B3*Easy | 0.289 | 0.209 | 0.039 | 0.182 | 0.084 | -0.080 |
| | (1.49) | (1.05) | (0.34) | (1.04) | (0.45) | (-0.80) |
| B3*Diff. | -0.053 | -0.007 | 0.018 | -0.182 | -0.162 | 0.046 |
| | (-0.27) | (-0.03) | (0.16) | (-1.04) | (-0.86) | (0.46) |
| B4*Easy | -0.028 | 0.102 | -0.088 | -0.036 | -0.182 | 0.130 |
| | (-0.15) | (0.51) | (-0.78) | (-0.21) | (-0.97) | (1.30) |
| B4*Diff. | 0.020 | -0.064 | 0.063 | 0.170 | 0.249 | -0.085 |
| | (0.10) | (-0.32) | (0.56) | (0.97) | (1.33) | (-0.84) |
| B5*Easy | -0.309 | -0.139 | 0.016 | -0.248 | -0.425 | 0.170 |
| | (-1.59) | (-0.70) | (0.14) | (-1.41) | (-2.27) | (1.69) |
| B5*Diff. | 0.081 | 0.014 | 0.015 | 0.183 | 0.289 | -0.067 |
| | (0.42) | (0.07) | (0.13) | (1.05) | (1.54) | (-0.67) |
| | | | | | | |

Table 1: Dummy variable regressions (with block and interaction effects) demonstrating the four main results. Superscripts indicate *ex-ante* expectations (E^0) , *interim* expectations (E^1) , or *ex-post* expectations (E^2) , and 'Score' refers to the subject's own score. Bold-faced entries are significant at the 5% level. Italicized entries are significant at the 10% level.

| Quiz: 1 | Topic: Geography Difficulty: Easy |
|--------------------|---|
| Mean: 8.817 | Median:: 10 Variance: 3.435 |
| Question 1 | What continent lies directly south of Europe? |
| | Answer: Africa |
| Question 2 | What African river (that empties into the Mediterranean sea through Egypt) is the longest river in the world? |
| | Answer: Nile |
| Question 3 | In what North American country is the city of Toronto located? |
| | $Answer: \ Canada$ |
| Question 4 | The lowest temperature ever recorded on earth (-129.3F) occurred on what southern continent? |
| | Answer: Antarctica |
| Question 5 | In what western U.S. state is the Silicon Valley? |
| | Answer: California |
| Question 6 | Baghdad is the capital of what middle-eastern country? |
| | Answer: Iraq |
| Question 7 | The Golden Gate Bridge is located in which Californian city? |
| | Answer: San Francisco |
| Question 8 | What is the capital of the United States? |
| | Answer: Washington D.C. |
| Question 9 | On what continent is France located? |
| A | Answer: Europe |
| Question 10 | What is the capital of and largest city in Japan? |
| | Answer: Tokyo |

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| Quiz: 2 | Topic: Geography Difficulty: Medium | | | |
|--------------------|--|--|--|--|
| Mean: 6.098 | Median:: 7 Variance: 7.299 | | | |
| Question 1 | In what U.S. city does the best-known celebration of Mardi Gras take place? | | | |
| | Answer: New Orleans | | | |
| Question 2 | In what U.S. state is the ski-resort town of Aspen? | | | |
| | Answer: Colorado | | | |
| Question 3 | The "Ring of Fire" is located around what ocean? | | | |
| | Answer: Pacific | | | |
| Question 4 | In what U.S. state is Atlantic City located? | | | |
| | Answer: New Jersey | | | |
| Question 5 | The most famous "tea party" of the American Revolution took place in what city? | | | |
| | Answer: Boston | | | |
| Question 6 | The island of Honshu is part of what country? | | | |
| | Answer: Japan | | | |
| Question 7 | What is the name of the worlds largest coral reef, located off the coast of Australia? | | | |
| | Answer: Great Barrier Reef | | | |
| Question 8 | What is the highest mountain range in the world? | | | |
| | Answer: Himalayas | | | |
| Question 9 | What country is comprised of over 17,000 known islands? | | | |
| | Answer: Indonesia | | | |
| Question 10 | In what U.S. state is Disney World located? | | | |
| | Answer: Florida | | | |

4

| Quiz: 3 | Topic: Geography Difficulty: Hard | | |
|--------------------|--|--|--|
| Mean: 0.683 | Median:: 0 Variance: 1.849 | | |
| Question 1 | What is South Americas highest peak? | | |
| | Answer: Mt. Aconcagua | | |
| Question 2 | What is the capital of Australia? | | |
| | Answer: Canberra | | |
| Question 3 | What two South American countries are land-locked? | | |
| | Answer: Bolivia and Paraguay | | |
| Question 4 | What geographical area was once referred to as "Seward's Folly?" | | |
| | Answer: Alaska | | |
| Question 5 | What is the capital city of Uganda? | | |
| | Answer: Kampala | | |
| Question 6 | What Pacific island mountain claims to be the wettest spot on Earth? | | |
| | Answer: Mt. Wai'ale'ale (on the Hawaiian island of Kauai) | | |
| Question 7 | Sweden, Denmark, Poland, and Finland all border what sea? | | |
| | Answer: Baltic Sea | | |
| Question 8 | Bechuanaland was the colonial name of what country? | | |
| | Answer: Botswana | | |
| Question 9 | What is the capital of Turkey? | | |
| | Answer: Ankara | | |
| Question 10 | What two countries border Mexico to the south? | | |
| | Answer: Belize and Guatemala | | |

| Quiz: 4 | Topic: Movies Difficulty: Easy |
|--------------------|---|
| Mean: 8.939 | Median:: 10 Variance: 5.12 |
| Question 1 | Leonardo DiCaprio and Kate Winslet starred in a 1997 film about the sinking of what famous ship after striking |
| | an iceberg on her maiden voyage? Answer: Titanic |
| Question 2 | Arnold Swartzenneger, current governor of California, is sometimes called the Governator a nickname poking |
| | fun at his role in what 1984 film? Answer: Terminator |
| Question 3 | Toby Maguire starred in two movies as what web-slinging super hero with spider powers? |
| | Answer: Spiderman |
| Question 4 | Cinderella, The Little Mermaid, Aladdin, and The Lion King are all films produced by what famous |
| | entertainment company? Answer: Disney |
| Question 5 | Keanu Reeves starred as Neo, a computer hacker, in what film trilogy about machines taking over the earth? |
| | Answer: The Matrix |
| Question 6 | What was the title of George Lucas's original 1977 science fiction film about Luke Skywalker and Darth Vader, |
| | set "Long ago, in a galaxy far, far away"? Answer: Star Wars |
| Question 7 | What recent film trilogy was based on J.R.R. Tolkeins novels about the quest of a hobbit named Frodo to destroy |
| | a ring? Answer: Lord of the Rings |
| Question 8 | The quotes Life is like a box of chocolates and Run, Forrest, run! are from what 1994 movie starring |
| | Tom Hanks? Answer: Forrest Gump |
| Question 9 | J.K. Rowling's books tell about a young wizard named Harry who goes to a school called Hogwarts. |
| | What is Harry's last name? Answer: Potter |
| Question 10 | What actor, formerly married to Nicole Kidman, starred in the films Rain Man, Minority Report, War of the |
| | Worlds, Mission Impossible, and Jerry Maguire? Answer: Tom Cruise |

6

| Quiz: 5 | Topic: Movies Difficulty: Medium | |
|--------------------|--|--|
| Mean: 6.293 | Median:: 7 Variance: 12.333 | |
| Question 1 | Who starred as high school student Marty McFly in the hit science-fiction comedy "Back to the Future" (1985) | |
| | Answer: Michael J. Fox | |
| Question 2 | Who wrote and directed Kill Bill Volumes 1 and 2? | |
| | Answer: Quentin Tarantino | |
| Question 3 | What actor plays an overweight college instructor & several other characters in The Nutty Professor? | |
| | Answer: Eddie Murphy | |
| Question 4 | Who was the first African American to win an Academy Award for best actress? | |
| | Answer: Halle Berry | |
| Question 5 | What actress co-starred with Tom Hanks in the movies Sleepless In Seattle, You've Got Mail, and Joe Versus | |
| | the Volcano? Answer: Meg Ryan | |
| Question 6 | Ben Affleck and Matt Damon won an Academy Award for writing the screenplay of what film, starring | |
| | themselves and Robin Williams? Answer: Good Will Hunting | |
| Question 7 | Mo, Larry, and Curly are a trio more commonly known by what name? | |
| | Answer: The Three Stooges | |
| Question 8 | What film about a female boxer, starring Hilary Swank and Clint Eastwood, won an Academy Award for | |
| | best picture in 2005? Answer: Million Dollar Baby | |
| Question 9 | Dorothy, Scarecrow, Tinman, and the Wicked Witch of the West are all characters from what movie? | |
| | Answer: The Wizard of Oz | |
| Question 10 | What was the full name of the cannibalistic main character in the film Silence of the Lambs? | |
| | Answer: Hannibal Lecter | |
| | Table 9. The 18 minutes and in the sum minutes (C_{int}) in the most i_{int} | |

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| Quiz: 6 | Topic: Movies | Difficulty: Hard | | |
|--------------------|---|--|--|--|
| Mean: 0.561 | Median:: 0 | Variance: 1.039 | | |
| Question 1 | Who is the only act | ress to have been nominated for the "Best Actress" Academy Award 13 times? | | |
| | Answer: Meryl Stre | pep | | |
| Question 2 | Who played Mozart | t in the 1984 film "Amadeus"? | | |
| | Answer: Tom Hulco | | | |
| Question 3 | Who is the father o | f actress Gwyneth Paltrow? | | |
| | Answer: Bruce Pal | trow | | |
| Question 4 | In what film did ac | tress Mae West say the line, "When I'm good, I'm very good, but when I'm bad I'm | | |
| | better"? Answer: 1 | "m No Angel | | |
| Question 5 | What actress perfor | med the voice of Bo Peep in the film Toy Story? | | |
| | Answer: Annie Pot | ts | | |
| Question 6 | Who starred opposi | Who starred opposite Gene Wilder in the 1984 film "Woman in Red"? | | |
| | Answer: Kelly LeB | rock | | |
| Question 7 | What 1984 film was | s the big-screen debut of actress Sarah Jessica Parker? | | |
| | Answer: Footloose | | | |
| Question 8 | In Monty Python's | Holy Grail, the French soldier taunts King Arthur by telling him, "Your mother was | | |
| | a hamster and your | father smelt of? Answer: Elderberries | | |
| Question 9 | What actress played Ferris Bueller's girlfriend in the 1986 film, "Ferris Bueller's Day Off"? | | | |
| | Answer: Mia Sara | | | |
| Question 10 | | he record for having been nominated most frequently for the "Best Actor" Academy | | |
| | Award (9 times)? | Answer: Spencer Tracy | | |

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| Quiz: 7 | Topic: Music Difficulty: Easy |
|--------------------|---|
| Mean: 8.317 | Median:: 10 Variance: 7.232 |
| Question 1 | John Lennon, Paul McCartney, George Harrison and Ringo Starr were the four members of what famous |
| | classic rock band? Answer: The Beatles |
| Question 2 | Janet Jackson and Latoya Jackson are sisters of what famous and eccentric pop star? |
| | Answer: Michael Jackson |
| Question 3 | What pop group, led by Bono, has created the following albums: The Joshua Tree, Rattle and Hum, |
| | Achtung Baby, Zooropa, and How to Dismantle an Atomic Bomb? Answer: U2 |
| Question 4 | The pop star known for such songs as Like a Virgin, Material Girl, and Like a Prayer, goes by what single |
| | name (rather than a first and last name)? Answer: Madonna |
| Question 5 | What famous classical composer, who eventually went deaf, wrote 9 symphonies, the most famous of which is |
| | his 5th symphony? Answer: Beethoven |
| Question 6 | Which famous Britney of the pop music world recently married and had a baby with her back-up dancer? |
| | Answer: Britney Spears |
| Question 7 | Ashlee Simpson is the younger sister of what pop singer and star of the reality show Newlyweds |
| | on MTV? Answer: Jessica Simpson |
| Question 8 | Singer Celine Dion sang the hit song My heart will go on for the soundtrack of what 1997 film about the |
| | sinking of a famous ship? Answer: Titanic |
| Question 9 | Stevie Wonder and Ray Charles both wore sunglasses during performances and had what physical disability? |
| | Answer: Blindness |
| Question 10 | Sporty Spice, Baby Spice, and Posh Spice were members of what musical group? |
| | Answer: Spice Girls |
| | |

| Mean: 6.415Median:: 8Variance: 13.456Question 1What is the real name of the artist who once went by the pseudonyms "Puffy", "Puff Daddy", and "P. Diddy"? Answer: Sean CombsQuestion 2What band was Justin Timberlake in? Answer: N-SyncQuestion 3Who is considered The King of rock? Answer: Elvis PresleyQuestion 4Former pop star Paula Abdul is now a judge for what T.V. show? Answer: American IdolQuestion 5Ozzy and Sharon Ozbourne took their music careers to television when they began a reality show about their family on what TV station? Answer: MTVQuestion 6Jim Morrison (lead singer of The Doors), Elvis Presley, and Jimi Hendrix all died from what? Answer: Drug overdosesQuestion 7Mick Jagger, at the age of 62, recently went on tour with what legendary rock band for which he sings lead vocals? Answer: Rolling StonesQuestion 8What was the name of the famous 3-day music festival, held in 1969, which featured artists such as Bob Dylan, Janis Joplin, and Jimi Hendrix? Answer: WoodstockQuestion 10Gwen Stefani launched a successful solo career, but is also the lead singer of what band? | Quiz: 8 | Topic: Music Difficulty: Medium | | | |
|---|--------------------|--|--|--|--|
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| • | | | | | |
| | Question 10 | , | | | |
| Answer: No Doubt | | Answer: No Doubt | | | |

| Mean: 0.451Median:: 0Variance: 1.806Question 1On which album does actor William Shatner sing "Lucy in the Sky with Diamonds"? Answer: The Transformed ManQuestion 2What is the real name of U2's guitarist "The Edge"? Answer: David EvansQuestion 3What, according to Billboard, was the top-ranked movie soundtrack album for the year 2004, at #6? Answer: O Brother, Where Art Thou?Question 4What album ranks #1 on the best-selling albums of all time, just ahead of Michael Jackson's "Thriller"? Answer: The Eagles: Their Greatest HitsQuestion 5The first video played on MTV was "Video killed the radio star" by the Buggles. Who was the Buggles' lead singer? Answer: Mike ScottQuestion 6Former Texas gubernatorial candidate Kinky Friedman sang the song "Get your biscuits in the oven and your buns in the bed" with which band? Answer: Kinky Friedman and the Texas JewboysQuestion 7Who wrote the theme song to the television series "Hill Street Blues"? Answer: Marvin Gaye, Senior (his father)Question 8What was the name of the person who shot and killed Marvin Gaye one day before his 45th birthday? Answer: Marvin Gaye, Senior (his father)Question 90What three famous musicians died together in a plane crash on February 3rd, 1959? Answer: Buddy Holly, Ritchie Valens, and J.P. Richardson ("The Big Bopper")Question 10The band "New Kids on the Block" included Donnie Wahlberg, Daniel Wood, Jordan Knight, and Jonathan Knight. Who was the fifth member until 1985? Answer: Jamie Kelley | Quiz: 9 | Topic: Music | Difficulty: Hard | | |
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| | | Jonathan Knight. | Who was the fifth member until 1985? Answer: Jamie Kelley | | |

| Quiz: 10 | Topic: History | Difficulty: Easy | | |
|--------------------|-----------------------|---|--|--|
| Mean: 9.598 | Median: : 10 | Variance: 0.861 | | |
| Question 1 | What U.S. presiden | t faced an impeachment trial to investigate his alleged affair with White | | |
| | House intern Monic | a Lewinsky? Answer: Bill Clinton | | |
| Question 2 | What explorer is cr | edited with discovering America in 1492? | | |
| | Answer: Christophe | er Columbus | | |
| Question 3 | In 1776, the United | States declared independence from what country? | | |
| | Answer: Great Brit | ain or England | | |
| Question 4 | On what country d | id the United States drop atomic bombs on during World War 2? | | |
| | Answer: Japan | | | |
| Question 5 | Who was the leader | of Germany's Nazi party during World War 2? | | |
| | Answer: Adolph Hi | tler | | |
| Question 6 | On what date in 20 | On what date in 2001 were airplanes crashed into New York's World Trade Centers, destroying them? | | |
| | Answer: September | 11th | | |
| Question 7 | What structure was | s built over 2000 years ago in China and stretches 4,163 miles? | | |
| | Answer: The Great | Wall of China | | |
| Question 8 | At the beginning of | what year, known as "Y2K" were computers expected to crash due to the | | |
| | "Millennium bug"? | Answer: 2000 | | |
| Question 9 | Who was elected P | resident of the United States in 2004? | | |
| | Answer: George W | Bush | | |
| Question 10 | How many World W | Vars have there been? | | |
| | Answer: Two | | | |

| Quiz: 11 | Topic: History | Difficulty: Medium | |
|--------------------|--|--|--|
| Mean: 5.720 | Median:: 7 | Variance: 8.97 | |
| Question 1 | Who painted the Sist | ine Chapel? | |
| | Answer: Michelangel | 0 | |
| Question 2 | The Red Scare was a | fear of what political system? | |
| | Answer: Communist | | |
| Question 3 | The Korean War was | fought in which decade? | |
| | Answer: 1950s | | |
| Question 4 | The New Deal is mos | t closely associated with what U.S. president? | |
| | Answer: Franklin De | lano Roosevelt | |
| Question 5 | Who was the Native | American woman who accompanied Lewis and Clark on part of their expedition | |
| | in the Pacific Northw | rest? Answer: Sacajaweeja | |
| Question 6 | What period in European cultural history took place from the 14th to the 17th century, after the | | |
| | Dark Ages? Answer: | Renaissance | |
| Question 7 | What famous believe | r in non-violent protest led India to freedom from the rule of Great Britain? | |
| | Answer: Mohandas ' | 'Mahatma" Gandhi | |
| Question 8 | | tadors were soldiers who conquered land for Spain and spread what religion? | |
| | Answer: Christianity | | |
| Question 9 | 0 | Pompeii was destroyed in 79 AD by what type of natural disaster? | |
| | Answer: Volcano | | |
| Question 10 | | Intouchables are associated with the pursuit of what prohibition-era Chicago mafia | |
| | figure? Answer: Al C | Capone | |

| Quiz: 12 | Topic: History Difficulty: Hard |
|--------------------|---|
| Mean: 1.207 | Median:: 1 Variance: 2.759 |
| Question 1 | In what year did Martin Luther post his 95 theses? |
| | Answer: 1517 |
| Question 2 | In what year did Nigeria gain its independence from Great Britain? |
| | Answer: 1960 |
| Question 3 | What former First Lady is credited with having coined the phrase "Absence makes the heart grow fonder"? |
| | Answer: Eleanor Roosevelt |
| Question 4 | In the story of the Trojan War, what son of King Priam dies in battle with the Greek warrior Achilles? |
| | Answer: Hector |
| Question 5 | In what year did Abraham Lincoln deliver the Gettysburg Address? |
| | Answer: 1863 |
| Question 6 | In what year was Norwegian Viking Erik the Red lead the first European settlement of North America? |
| | Answer: 986 |
| Question 7 | The stock market crash of 1929, remembered as the beginning of the Great Depression, occurred |
| | most dramatically on what day? Answer: "Black" Monday (October 28, 1929) |
| Question 8 | During the Second Punic War, what Carthaginian general led his army on a famous crossing of the Alps? |
| | Answer: Hannibal |
| Question 9 | What former U.S. vice president killed Alexander Hamilton in a duel? |
| | Answer: Aaron Burr |
| Question 10 | John Adams and Thomas Jefferson, the 2nd and 3rd Presidents of the United States, both died on what day |
| | (date and year)? Answer: July 4, 1826 |

| Quiz: 13 | Topic: Sports | Difficulty: Easy |
|--------------------|-------------------------|--|
| Mean: 8.537 | Median: : 10 | Variance: 7.289 |
| Question 1 | What does N.F.L. sta | and for ? |
| | Answer: National Fo | otball League |
| Question 2 | The Tour de France, | which Lance Armstrong has won 7 times, is the premier competition in what sport? |
| | Answer: Cycling | |
| Question 3 | What sport did Babe | Ruth play? |
| | Answer: Baseball | |
| Question 4 | What state do the Ya | ankees play for? |
| | Answer: New York | |
| Question 5 | What does WNBA st | and for? |
| | Answer: Women's No | ational Basketball Association |
| Question 6 | What Chicago Bulls | guard wore number 23 and led his team to 6 championships in the 1990's? (Hint: his |
| | last name is Jordan) | Answer: Michael Jordan |
| Question 7 | Ervin Magic Johnson | plays what sport? |
| | Answer: Basketball | |
| Question 8 | Mohammed Ali and I | Mike Tyson have each held the Heavyweight Championship Title in what sport? |
| | Answer: Boxing | |
| Question 9 | What sport has been | most famously played by Tiger Woods, Jack Nicklaus, and Arnold Plamer? |
| | Answer: Golf | |
| Question 10 | In baseball, what is in | t called when a player hits a ball over the outfield wall and into the stands? |
| | Answer: A home run | |

| Topic: Sports | Difficulty: Medium |
|----------------------|--|
| Median:: 4 | Variance: 9.182 |
| March Madness refe | ers to what college sport's tournament? |
| Answer: Basketball | ! |
| What team did Lar | cry Bird play for? |
| Answer: Celtics | |
| Which golf tournam | nent's winner is traditionally awarded a green jacket? |
| Answer: Masters | |
| What sport does Sh | heryl Swoopes play? |
| Answer: Basketball | |
| What sport does Os | scar De LaHoya participate in? |
| Answer: Boxing | |
| What city's NFL te | eam is known as the Cowboys? |
| Answer: Dallas | |
| Who holds the NHI | L record for the most goals in a season? |
| Answer: Wayne Gr | retzky |
| How many times wa | as Michael Jordan MVP of the NBA Finals? |
| Answer: 6 | |
| What is it called w | then a race horse wins the Kentucky Derby, the Preakness Stakes, and the |
| Belmont Stakes? A | Inswer: Triple Crown |
| What countrys tear | m won the 2002 World Cup? |
| Answer: Brazil | |
| | Median:: 4 March Madness ref Answer: Basketball What team did Lan Answer: Celtics Which golf tournan Answer: Masters What sport does SI Answer: Basketball What sport does O Answer: Basketball What sport does O Answer: Boxing What city's NFL te Answer: Dallas Who holds the NH Answer: Wayne G How many times w Answer: 6 What is it called w Belmont Stakes? A |

| Quiz: 15 | Topic: Sports | Difficulty: Hard |
|--------------------|----------------------|---|
| Mean: 0.195 | Median:: 0 | Variance: 0.159 |
| Question 1 | Who is the only pla | yer to have scored 61 points in an NCAA Basketball Tournament game? |
| | Answer: Austin Ca | rr. |
| Question 2 | Who was the first N | IVP of the NBA? |
| | Answer: Bob Pettit | |
| Question 3 | What college won t | he first Women's NCAA Basketball Tournament? |
| | Answer: Louisiana | Tech |
| Question 4 | Who was the first N | NHL player to win the Conn Smythe Trophy? |
| | Answer: Jean Beliu | eau |
| Question 5 | Which College or U | niversity has won the most football bowl games? |
| | Answer: University | of Alabama |
| Question 6 | Who won the first S | Super Bowl? |
| | Answer: Green Bay | Packers |
| Question 7 | Who was the only u | inseeded man to win the Wimbledon singles title? |
| | Answer: Boris Beck | <i>cer</i> |
| Question 8 | Who was the first j | ockey to ride 7,000 winners? |
| | Answer: Willie Sho | emaker |
| Question 9 | Who won the Tour | de France in 1997? |
| | Answer: Jan Ullric | h |
| Question 10 | Who is the only ho | ckey player to score at least 50 goals in 9 consecutive seasons? |
| | Answer: Mike Boss | y |
| | TT 1 1 0 T | |

| Quiz: 16 | Topic: Science | Difficulty: Easy |
|--------------------|-----------------------|--|
| Mean: 8.976 | Median: : 10 | Variance: 3.629 |
| Question 1 | Where in the human | a body is the cerebellum located? |
| | Answer: Brain (or . | Head) |
| Question 2 | The average length | of a human pregnancy is how many months? |
| | Answer: 9 | |
| Question 3 | Where in the human | a body is food digested? |
| | Answer: the stomac | h (or intestines) |
| Question 4 | What is the smalles | t prime number greater than 3? |
| | Answer: 5 | |
| Question 5 | What is the chemica | al symbol for water? |
| | Answer: H_2O | |
| Question 6 | The theory of evolu- | tion by means of natural selection is attributed to whom? |
| | Answer: Darwin | |
| Question 7 | The | is the star at the center of our solar system. |
| | Answer: Sun | |
| Question 8 | An octopus has how | many arms? |
| | Answer: 8 | |
| Question 9 | What is the major p | pumping organ of the human circulatory system? |
| | Answer: Heart | |
| Question 10 | Carnivores are anim | als that eat meat, while herbivores are animals that eat what? |
| | Answer: Plants (or | Vegetation) |

| Quiz: 17 | Topic: Science | Difficulty: Medium |
|--------------------|-----------------------|--|
| Mean: 6.427 | Median:: 7 | Variance: 8.001 |
| Question 1 | What is the name for | a group of lions? |
| | Answer: pride | |
| Question 2 | What are the only m | ammals that truly fly? |
| | Answer: bats | |
| Question 3 | Antibiotics kill what | class of pathogen? |
| | Answer: bacteria | |
| Question 4 | What African predat | or is the fastest land animal? |
| | Answer: cheetah | |
| Question 5 | Deoxyribonucleic acie | l is better known as what? |
| | Answer: DNA | |
| Question 6 | What is the largest s | pecies of whale? |
| | Answer: blue whale | |
| Question 7 | What durable substa | nce give human ears and noses their shapes? |
| | Answer: cartilage | |
| Question 8 | | an body temperature? |
| | Answer: Roughly 98 | |
| Question 9 | , | rs, and alsations are all breeds of what kind of animal? |
| | Answer: Dog | |
| Question 10 | v | e there in a kilometer? |
| | Answer: 1000 | |

| Mean: 0.939 Median:: 1 Variance: 1.268 Question 1 Who is credited with inventing the wristwatch in 1904? Answer: Louis Cartier Question 2 Laudanum is a form of what drug? Answer: opium Question 3 The psychoactive ingredient in marijuana is THC. What does THC stand for? Answer: delta-9-Tetrahydrocannabinol Question 4 What chemical element has the atomic number five? Answer: Boron Question 5 The study of the structural and functional changes in cells, tissues and organs that underlie disease is called what? Answer: Pathology Question 6 What does the suffix "itis" mean? Answer: Inflammation Question 7 The bilby, bandicoot, and quokka are all representatives of what mammalian subclass? Answer: Marsupials Question 8 Which one of the 50 United States is the only one never to have experienced an earthquake? Answer: North Dakota Question 9 What evolutionary biologist wrote, "Creation science has not entered the curriculum for a reason so simple and so basic that we often forget to mention it: because it is false."? Answer: Stephen Jay Gould Question 10 What is the single most diverse phylum within the animal kingdom? Answer: Arthropoda, including crustaceans, insects, and spiders) | Quiz: 18 | Topic: Science Difficulty: Hard |
|---|--------------------|--|
| Answer: Louis Cartier Question 2 Laudanum is a form of what drug? Answer: opium Question 3 The psychoactive ingredient in marijuana is THC. What does THC stand for? Answer: delta-9-Tetrahydrocannabinol Question 4 What chemical element has the atomic number five? Answer: Boron Question 5 The structural and functional changes in cells, tissues and organs that underlie disease is called what? Answer: Pathology Question 6 What does the suffix "itis" mean? Answer: Inflammation Question 7 The bilby, bandicoot, and quokka are all representatives of what mammalian subclass? Answer: Marsupials Question 8 Which one of the 50 United States is the only one never to have experienced an earthquake? Answer: North Dakota Question 9 What evolutionary biologist wrote, "Creation science has not entered the curriculum for a reason so simple and so basic that we often forget to mention it: because it is false."? Answer: Stephen Jay Gould Question 10 What is the single most diverse phylum within the animal kingdom? | Mean: 0.939 | Median:: 1 Variance: 1.268 |
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Table 2: The 18 quizzes used in the experiment.

References

Neter, J., Kutner, M. H., Nachtsheim, C. J. and Wasserman, W.: 1996, *Applied Linear Statistical Models*, 4th edn, McGraw-Hill, New York.