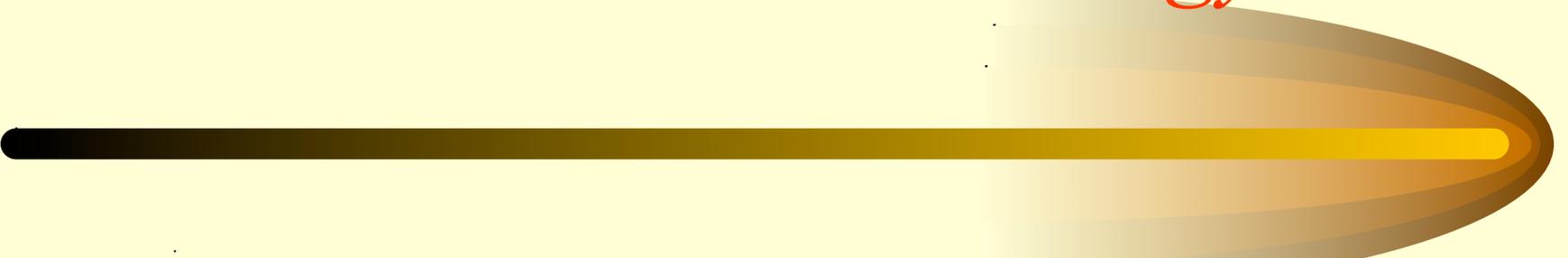
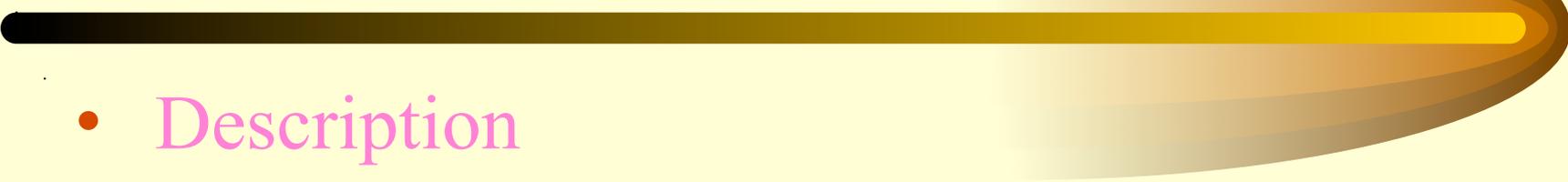


# *Sociology 201:*



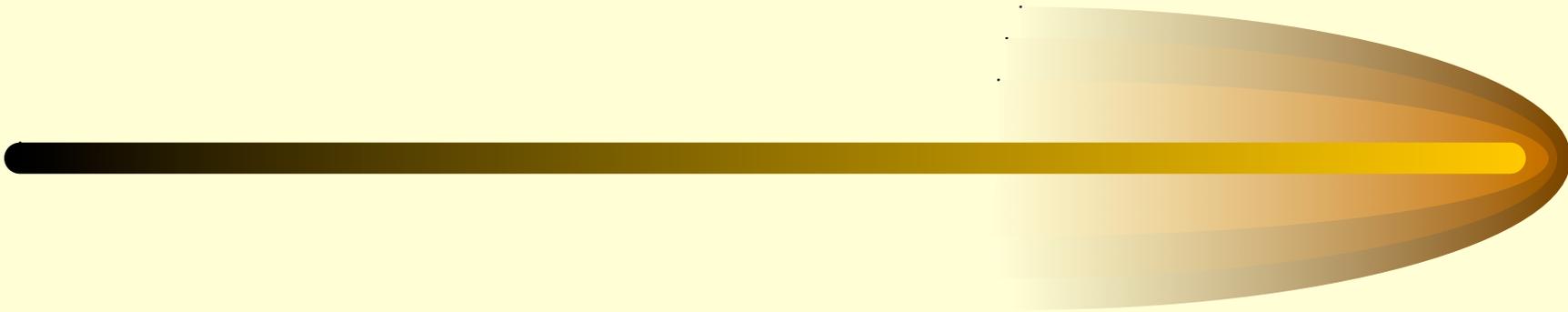
## 26. Overview of Data Analysis

# *Recall purposes of research*



- Description
- Explanation
- Will spend the rest of class doing some analyses together
- First, let's play critical thinking
- Here are some tidbits from the media.

52% 70% Which? Watch your assumptions.



## Provost says percentage was wrong

I am writing to clarify a misstatement in an editorial in the April 19 *The Panther*. As recently as last fall, the concept behind this statement was presented to your staff.

This current use of erroneous numbers demands correction.

The figure used in the statement, "With about 52 percent of the faculty being part time..." is absolutely incorrect.

Since the thrust of the editorial

is Chapman's ability to live up to its desire to "nurture and help develop students," a proper measure of the difference between full-time faculty presence and that of part-time faculty is how many credits or courses are taught.

For the past four years, full-time faculty have taught about 70 percent of the credits in which students enroll each semester.

Thus, a large majority of our faculty are here full-time: teaching

classes, advising students, attending meetings, interacting with students in the hallways and dining rooms.

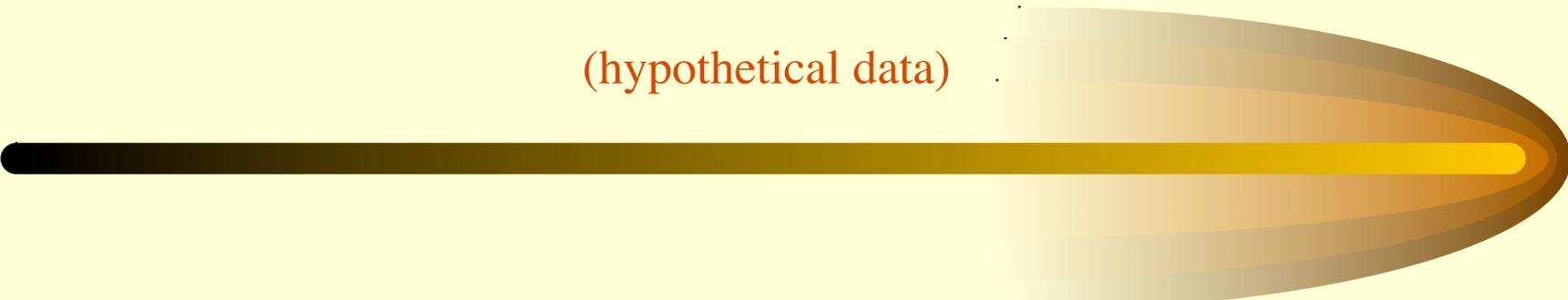
Once again, I welcome the opportunity to present the truth.

Might I suggest that a future edition of *The Panther* be devoted to the contributions of part-time faculty.

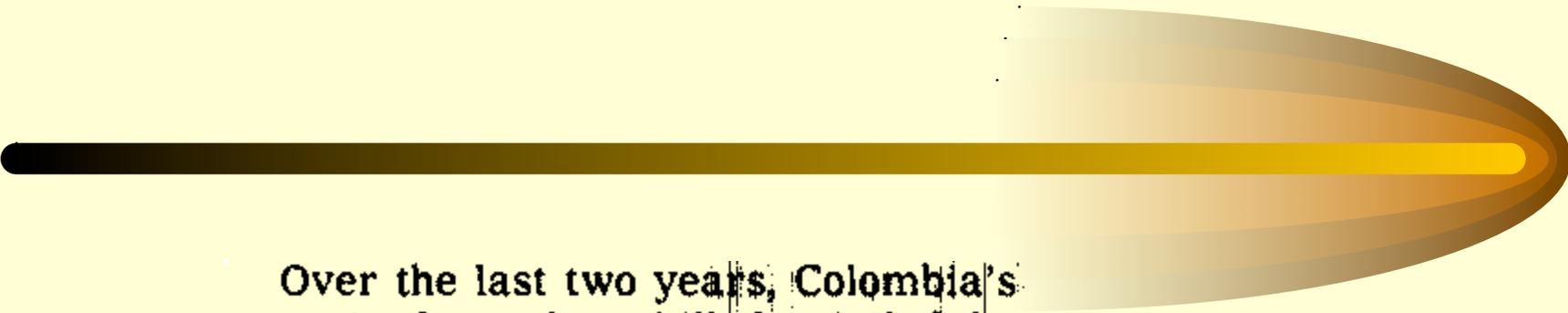
**Harry L. Hamilton**  
Provost

The two statements are not incompatible

(hypothetical data)

A decorative graphic consisting of a horizontal arrow pointing to the right. The arrow has a black shaft on the left that transitions into a gradient of colors (yellow, orange, brown) towards the right, ending in a pointed tip.

	<b>Number</b>	<b>Credits each</b>	<b>Total credits</b>	<b>Percent credits</b>
Full-time	48	9	432	73
Part-time	52	3	156	27
			588	100%



Over the last two years, Colombia's security forces have killed or jailed the Medellín organization's top leaders, extending special treatment to top bosses like Mr. Escobar who agree to give themselves up. The cartel's share of Colombia's \$5 billion in annual cocaine exports has dropped from 75 percent in mid-1989 to 40 percent today.

Over the same period, Cali, the "quiet cartel," has expanded its market share from 30 percent to 75 percent as it has been left largely untouched by the authorities.

# Attend class regularly — it'll help your grades

By Andy Kanengiser  
USA TODAY

College students who spend lots of time hitting the books may not end up with the best grades, a new study shows.

Instead, they'd be better off *attending class regularly and sitting up front* — in the first three rows.

In a 10-year survey of 424 undergraduates at the University of Michigan in Ann Arbor, study time didn't make much difference in grades, says Edward J. Walsh, sociology professor at Pennsylvania State

University in State College.

The study found students who studied less than two hours daily got about the same grades, close to a B average, as those who spent more than six hours with the books.

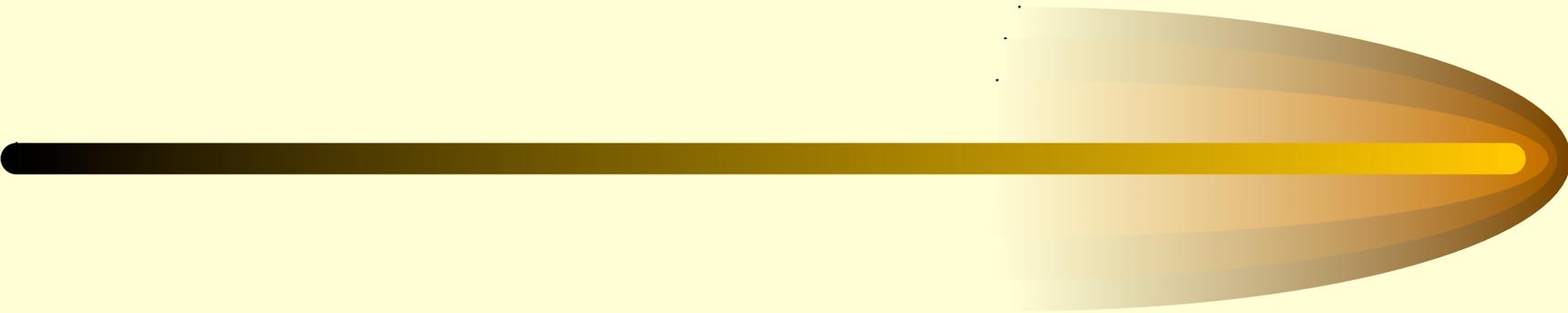
Students with the lowest attendance earned the poorest grades. Those who attended 79 percent of classes or less ended up in the low C range; 90 percent and above scored above a B average.

Students who sat up front got "significantly higher grades," but Walsh thinks they could be more interested in the subjects.



# Men Are Grumpier In the Morning

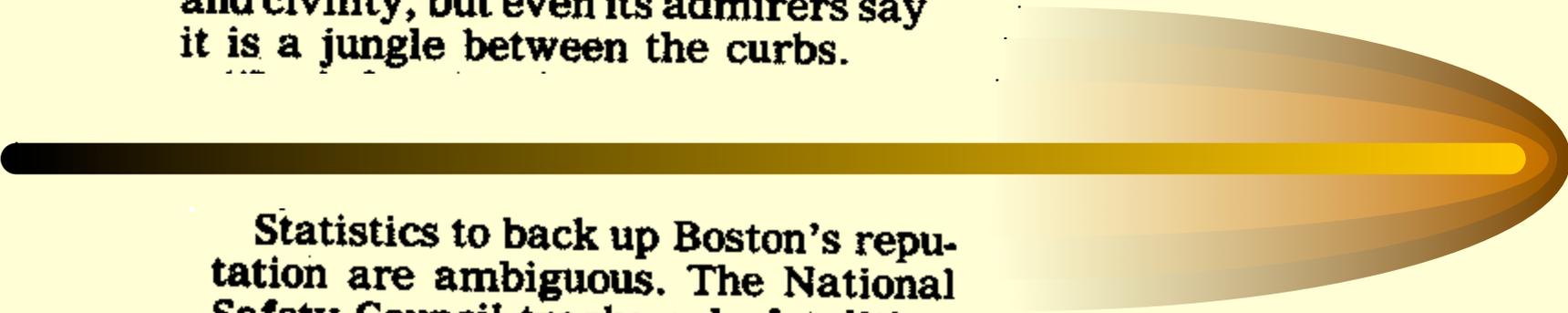
**M**ORE WOMEN than men awaken each morning with a sense of well-being and bright-eyed bouyancy. Doctors know that from studies in hospitals, but they don't know why.



■ Teenagers on drugs are 16 times more likely to attempt suicide than teenagers are generally.

“As the increase of the use of marijuana among teenagers has increased, so have highway deaths and suicides,” she said.

**Boston may be known as the Athens of America, city of erudition, culture and civility, but even its admirers say it is a jungle between the curbs.**



**Statistics to back up Boston's reputation are ambiguous. The National Safety Council tracks only fatalities, not injuries, and finds that the average for cities with a population of 500,000 to 750,000 is 2 fatalities per 10,000 cars registered. In Boston, with 563,000 residents, the figure is 0.9.**

**But a statistician at one national organization, who asked not to be named, said this of driving in Boston: "I personally get the feeling it's suicidal."**

**A**mong the embarrassing information in the report is a survey of officer candidates at Fort Leavenworth, Kan., which found that:

■ 22 percent said they “infrequently or never” thought about safety on the job.

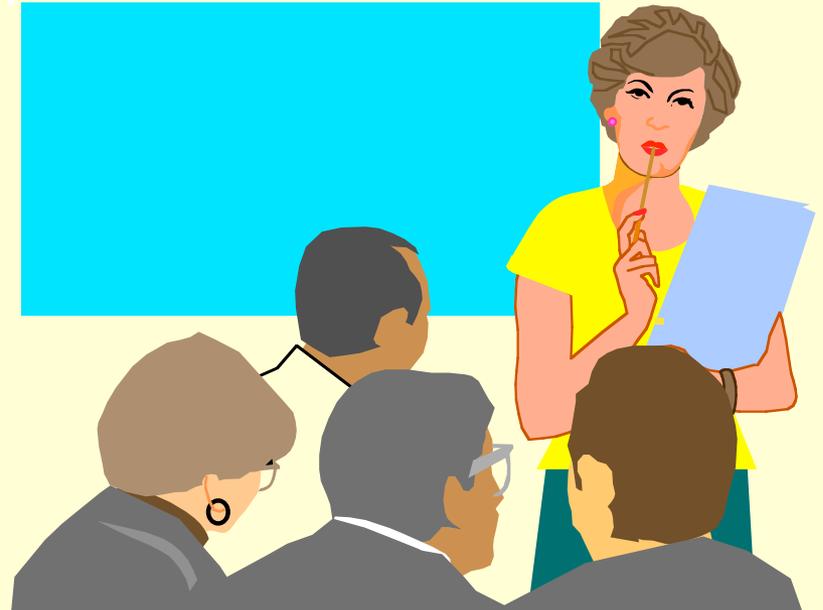
■ 15 percent said their superiors gave safety “little or no importance” either on or off duty.

■ 17 percent said safety rules often interfered with realistic field training.

In another survey at a different Army base, half of those polled said they believed it is “inevitable that accidents will occur on duty in their unit.” In a third survey of enlisted men and officers, one out of three guffawed at the idea of safety measures in field training.

# *Work in groups on this*

- You pick dependent variables
- Then see if you can guess what would cause it
- We'll check your hypothesis in the GSS



# *A few GSS96 Variables*

- acqntsex: had sex with acquaintance last year
- affirmact: favor preference in hiring Blacks
- amchrstn: how important to be a Christian
- amenglish: how important to be able to speak English
- attendr: frequency of attendance at religious services
- badbrks: most of my problems are due to bad breaks
- bible: feelings about the bible
- buspow: power of business and industry
- cappun: attitude toward capital punishment
- childben: children benefit from traditional family
- chldidel: ideal number of children
- class: subjective social class identification
- colcom: should communist teacher be fired
- colhomo: allow homosexual to teach
- conlegis: confidence in Congress
- conpress: confidence in the press
- courts: courts dealing with criminals
- divlaw: divorce laws
- eatout: meal in a restaurant last week
- eqincome: government should redistribute the wealth
- evmhp: ever had a mental health problem
- fear: afraid to walk in neighborhood at night
- febear: can wife refuse to have children
- fehire: should hire and promote women
- feminist: think of yourself as a feminist
- fepres: vote for a woman for president
- govtpow: power of the federal government
- grass: should marijuana be legal
- gunlaw: favor or oppose gun permits
- happy: general happiness
- 
-

# *Next Time*



- “The Ethics and Politics of Social Research”
- Read Chapter 18