

WRITING

FOR THE STATISTICAL SCIENCES

Don Ylvisaker

SOME GOOD NEWS

YOU CAN GET HELP FROM
VARIOUS SOURCES TOWARD
PRODUCING GOOD WRITING -
BOOKS, ON-LINE COURSES,
WORKSHOPS(?), COLLEAGUES.

SOME BAD NEWS

IT IS DOUBTFUL THAT YOU
WILL EVER COME TO *ENJOY*
THE WRITING PROCESS

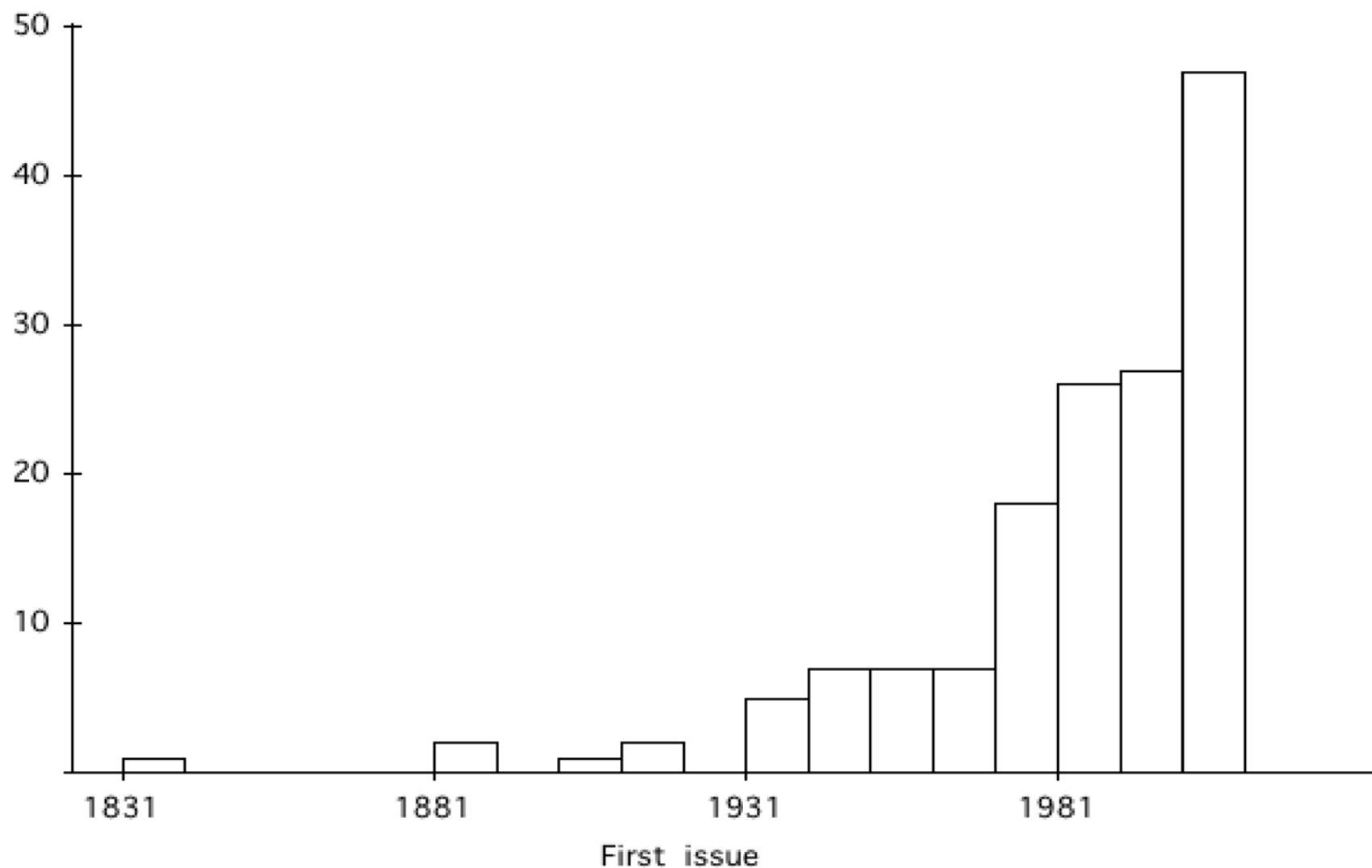
SOME GOOD NEWS

YOU CAN ENJOY THE FRUITS OF
YOUR LABOR IN PRODUCING
GOOD WRITING . . . ESPECIALLY,
READERS *APPRECIATE* GOOD
WRITING.

WRITING
IN THE STATISTICAL SCIENCES
IN 2016

GROWTH OF STATISTICS JOURNALS

QUARTILES OF FIRST ISSUE YEARS: 1972, 1988, 2002



WITH 150 JOURNALS AT 60 EACH,
THERE ARE SOME 9,000 ARTICLES
PUBLISHED EVERY YEAR;
COLLABORATIVE JOURNALS AND
BOOK CHAPTERS ADD MORE.
THERE ARE MANY OUTLETS FOR
YOUR WRITINGS.

INVITATIONS TO PUBLISH

Research in the Mathematical Sciences – consider publishing here 11/14
Science Research Association – invitation for free article publication 11/08
Asian Online Journals (nine in total) – invitation to submit 11/05
Advances in Pure Mathematics – invitation to submit 11/05
Journal of Statistics: Advances in Theory and Applications – call for papers 11/02
International Journal of Information Research and Review – call for papers 11/02
International Conference on Operations Research and Statistics – call for papers 10/27
Journal of Statistical Research – Invitation to submit 10/26
American Review of Mathematics and Statistics – call for papers 10/26
International Journal of Business Management and Commerce 10/24
Intern. Journal of Scientific and Technical Research in Eng. - invitation to submit 10/16
Spring Journal of Biological and Medical Sciences – invitation to submit 10/15
Advanced Research Journal of Biochemistry and Biotechnology
Advanced Research Journal of Plant and Animal Sciences
Global Journal of Environmental Science and Technology
Global Journal of Environmental Science and Technology
International Journal of Bacteriology, Virology and Immunology
Global Research Journal of Public Health and Epidemiology
International Journal of Medical and Clinical Sciences

TAKING STOCK

WHEN YOU HAVE A “STORY” TO TELL, TAKE
SOME TIME TO CONSIDER

THE CONTENT

HOW TO MAKE THE TELLING EASY ON YOU*

THE AUDIENCE

HOW TO MAKE IT EASY ON THE READER**

STRATEGIES FOR WRITING

WRITE WHEN YOU THINK YOU KNOW
SOMETHING

WRITE WHEN YOU KNOW SOMETHING

WRITE WHEN YOU ARE SURE YOU KNOW
SOMETHING

STYLES OF WRITING

EXPOSITORY

persuasive

STYLES OF WRITING

The Royal Society of London, founded in 1660,
extracted from its members

“... a constant resolution, to reject all the
amplifications, digressions, and swellings of
style . . . preferring the language of artisans,
countrymen, and merchants, before that, of
wits, or scholars”

Thomas Sprat (1667)

STYLE NOTES

RESIST THE URGE TO RAMBLE ON, YOU RISK
BORING YOUR READERS

REPETITION IS BORING, REPETITION IS BORING,
REPETITION IS BORING . . .

RESPECT YOUR READERS

TITLES

“An additive multiplicative mean model for marker data
contingent on recurrent event with an informative terminal
event”

“Likelihood-based inference for mixed-effects models
with censored response using the Multivariate-t distribution”

“A 250-year argument: Belief, Behavior and the Bootstrap”

“Ethics and the statistical use of prior information”

ABSTRACT

A SHORT STORY

(TOLD WITHOUT TECHNICAL DETAILS)

(and compellingly)

INTRODUCTION

A SHORT STORY

(KEEP TECHNICALITIES DOWN, AS POSSIBLE)

(AND THE LENGTH)

THEORY AND METHODS

ORGANIZATION COUNTS

STATE YOUR CENTRAL POINTS SUCCINCTLY

FORGO DISCUSSION OF HOW YOU CAME TO
THEM

FORGO CONTRASTS WITH RELATED WORK OF
OTHERS

SIMULATIONS AND APPLICATIONS

THESE ARE REPORTS ON WHAT HAS BEEN DONE, WRITE THEM IN THE PAST TENSE.

LET THE TABLES AND FIGURES PROVIDE SOME OF THEIR OWN STORY.

GENERALLY, CHOOSE BETWEEN

- 1) “APPLICATIONS TO DATA”
- 2) “APPLICATIONS TO REAL OLD DATA”

DISCUSSION/CONCLUSION

- HAVE SOMETHING NEW TO SAY IF YOU INCLUDE ONE
- A RECITATION OF THE RESULTS OF THE WORK IS NOT A DISCUSSION OR A CONCLUSION
- FIT YOUR WORK INTO A BROADER CONTEXT WITHOUT REPEATING THE INTRODUCTION
- THIS IS AN OPPORTUNITY TO NAME NEW AVENUES TO PURSUE

REFERENCES

HOLD REFERENCES TO SENSIBLE LIMITS

EMPLOY REVIEW ARTICLES AS AVAILABLE

LIST REFERENCES IN A UNIFORM (JOURNAL) STYLE