

**COMPILATION OF FIRE INSURANCE
STATISTICS UPON THE BEST AND MOST
EXPEDITIOUS METHODS, PRACTICALLY AND
COMPREHENSIVELY EXPLAINED; TOGETHER
WITH FULL INSTRUCTIONS FOR KEEPING
BOOKS OF RESPECTIVE FIRE DEPARTMENTS, BY
NEW AND IMPROVED ECONOMICAL SYSTEMS**

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Compilation of Fire Insurance Statistics upon the Best and Most Expeditious Methods, Practically and Comprehensively Explained; Together with Full Instructions for Keeping Books of Respective Fire Departments, by New and Improved Economical Systems by T. R. Glover

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T. R. GLOVER

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FULL INSTRUCTIONS FOR KEEPING BOOKS OF RES-
PECTIVE FIRE DEPARTMENTS, BY NEW AND
IMPROVED ECONOMICAL SYSTEMS;

AND APPENDIX.

BY
T. R. GLOVER.



LIVERPOOL:

PRINTED AND PUBLISHED BY WILLIAM POTTER, 30, EXCHANGE STREET EAST.

1878.

232. L. 115. .

Devoted

TO

MY FIRST SUBSCRIBER

CHARLES G. FOTHERGILL, Esq.,

MANAGER OF THE

LONDON AND LANCASHIRE FIRE OFFICE,

WITH T. R. GLOVER'S SINCERE RESPECT,

GRATITUDE, AND ESTEEM.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. This is essential for ensuring the integrity of the financial statements and for providing a clear audit trail. The records should be kept up-to-date and should be easily accessible to all relevant parties.

2. The second part of the document outlines the various methods used to collect and analyze data. These methods include interviews, surveys, and focus groups. Each method has its own strengths and weaknesses, and it is important to choose the most appropriate method for the specific research objectives.

3. The third part of the document describes the process of data analysis. This involves identifying patterns and trends in the data, and then interpreting these findings in the context of the research objectives. It is important to be objective and unbiased in this process, and to avoid drawing conclusions that are not supported by the data.

4. The fourth part of the document discusses the importance of communicating the results of the research. This involves writing a clear and concise report that summarizes the findings and provides recommendations for future action. It is important to use plain language and to avoid technical jargon, so that the results can be understood by a wide range of stakeholders.

5. The fifth part of the document discusses the importance of ethical considerations in research. This involves ensuring that the research is conducted in a fair and honest manner, and that the rights and privacy of all participants are protected. It is important to obtain informed consent from all participants, and to ensure that the data is stored and handled securely.

6. The sixth part of the document discusses the importance of ongoing evaluation and improvement of the research process. This involves regularly reviewing the progress of the research, and making adjustments as needed to ensure that the research is on track and that the results are of high quality.

7. The seventh part of the document discusses the importance of collaboration and teamwork in research. This involves working closely with colleagues and other stakeholders to share ideas, resources, and expertise. It is important to communicate regularly and to be open to feedback and criticism.

PREFACE.

In soliciting the Fire Insurance Offices to take copies of this Work, for its publication by subscription, the Author was circumscribed in the number that would be likely to assist him in giving to the Offices generally the benefit of the systems here explained, hence the necessity of £10 10s. per Copy being charged.

Since sending out Prospectuses to the Offices generally, the Author has devised a new system for keeping Fire Business Books, adapted to the requirements of the several Home Departments. This system has been adopted and carried out by the "London and Lancashire." It will be found that this new and improved system is in every respect infinitely superior to the older methods hitherto followed, and has the advantage of being considerably more economical, both in cost of books, &c., and labour.

This system, not contemplated when this Work was commenced, will, if adopted, work into and materially assist the Classification one, and render this Work of greater value than the Prospectus promised.

Full explanations, with forms and instructions for carrying it out, are here given, and I now leave the matter, confident that a perusal will fully shew its value.

As to the Classification system and methods here explained, the following will shew that this Work is not published before a necessity arose for one.

This necessity is far more absolute than is generally supposed, and any Office that has not hitherto classed its business, will find

that upon doing so, and bringing out the results of Five Years' combined business, that even if a loss (debiting proportionate expenses and margin for profit) upon its gross business transacted in the United Kingdom has not been sustained, one will be shewn under fully 50 per cent. of the individual Classes of risk thereunder, aggregating to about 40 per cent. of the gross premiums.

A minor illustration, taken from what may be termed the business of the Fire Offices generally (*i.e.* the Guarantees issued thereon by another Office), will verify to a certain extent the above statement; it is this:—

In a certain widely-extended district, embracing a fairly large amount in the aggregate upon nearly all kinds of risks, the business resulted, in a term of four combined years, in losses of no less than 95 per cent. of the gross premium received upon the said Guarantees issued. Analysing the Classed Statement thereof, and working out the percentage of results, they are thus stated, viz:—

	On Total Premium Received.	On Total Losses Sustained.
14 Classes out of the whole List, having respective Losses of more than 100 per cent.	} gave 29·19 per cent., and 85·01 per cent.	
One Class, with Loss of over 60 per cent.	} gave 1·61 per cent., and 1·30 per cent.	
All other Classes (being balance of 103) upon which Office actually transacted business, and had respectively a lower loss than 60 per cent. thereon	} gave 69·20 per cent., and 13·69 per cent.	

This analysis of results would therefore shew, that by the elimination, or partial elimination and revision, of the 15 (or portion

of them) unprofitable Classes of risk, might make what had hitherto been an unsatisfactory branch of business, into one shewing profitable results, especially if it was found that the said unsatisfactory Classes of risk were not exceptional, but borne out by general experience in the other branches of the Office's business.

Having illustrated, to some extent, the necessity of a general system of Fire Statistics being carried out (further illustration might have been given if thought advisable), and such necessity being granted, the next consideration will naturally arise as to "What systems should be followed in order to carry out the work in the most efficient and economical manner?"

As to the value of his systems of working, as here set forth, the Author feels that he can confidently leave the matter to the verdict of the Subscribers for this Work, to whom he feels extremely grateful for the kind support they have already rendered him in its publication.

LIVERPOOL, *February*, 1878.