

STATE OF TEXAS

COUNTY OF DALLAS

BEFORE ME, the undersigned authority, on this day personally appeared _____,

known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this _____ day of _____, 20____.

RESEARCH ASSISTANTS

WALTER G. WATSON, JR.
WALTER G. WATSON, JR., ASSISTANT
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DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY
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THEORY OF THE STATE

18

1. The state is a political organization

2. which exercises a monopoly of force

3. within a given territory

4. and is subject to international law

5. and is a legal person

6. which is sovereign

7. and is independent

8. of external control

9. and is self-sufficient

10. in its economic life

11. and is a member of the international community

12. of states

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
GENERAL CHEMISTRY, LABORATORY COURSE
EXPERIMENT 10: THE CHEMISTRY OF COPPER

Step	Procedure	Observations
1	Preparation of copper(II) sulfate pentahydrate	White precipitate forms, then dissolves in excess acid.
2	Reduction of copper(II) sulfate with zinc	Reddish-brown precipitate of copper metal forms.
3	Reaction of copper with nitric acid	Blue solution of copper(II) nitrate forms.
4	Reaction of copper with sulfuric acid	Blue solution of copper(II) sulfate forms.
5	Reaction of copper with hydrochloric acid	No reaction observed.
6	Reaction of copper with acetic acid	No reaction observed.
7	Reaction of copper with ammonia	White precipitate of copper(II) hydroxide forms, which dissolves in excess ammonia to form a deep blue solution of copper(II) ammine.
8	Reaction of copper with potassium cyanide	White precipitate of copper(II) hydroxide forms, which dissolves in excess cyanide to form a colorless solution of potassium tetracyano copper(II).
9	Reaction of copper with potassium dichromate	Reddish-brown precipitate of copper(II) hydroxide forms.
10	Reaction of copper with potassium permanganate	Reddish-brown precipitate of copper(II) hydroxide forms.

The following table shows the results of the regression analysis. The dependent variable is the natural logarithm of the number of employees. The independent variables are the natural logarithm of the number of sales, the natural logarithm of the number of assets, and the natural logarithm of the number of liabilities. The results show that the number of sales, assets, and liabilities are all positively correlated with the number of employees.

Table 1
 Regression Results

Variable	Coefficient	Standard Error	t-statistic	p-value
ln(Sales)	0.15	0.02	7.5	< 0.001
ln(Assets)	0.10	0.02	5.0	< 0.001
ln(Liabilities)	0.08	0.02	4.0	< 0.001
Constant	1.50	0.10	15.0	< 0.001
R-squared	0.85			

The results of the regression analysis are shown in Table 1. The dependent variable is the natural logarithm of the number of employees. The independent variables are the natural logarithm of the number of sales, the natural logarithm of the number of assets, and the natural logarithm of the number of liabilities. The results show that the number of sales, assets, and liabilities are all positively correlated with the number of employees.

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THE UNIVERSITY OF CHICAGO

PHILOSOPHY

PHILOSOPHY 101: INTRODUCTION TO PHILOSOPHY

PHILOSOPHY 102: LOGIC AND CRITICAL THINKING

PHILOSOPHY 103: ETHICS AND MORALS

PHILOSOPHY 104: THE HISTORY OF PHILOSOPHY

PHILOSOPHY 105: METAPHYSICS AND EPISTEMOLOGY

THE UNIVERSITY OF CHICAGO

1954

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2019-2020
STATE OF TEXAS
COMMISSION ON
GOVERNMENT
REFORM

Item	Category	Amount	Source
1	Administrative	\$1,000,000	State
2	Information Technology	\$500,000	State
3	Legal Services	\$2,500,000	State
4	Public Safety	\$1,500,000	State
5	Transportation	\$3,000,000	State
6	Health Services	\$2,000,000	State
7	Education	\$1,500,000	State
8	Energy	\$1,000,000	State
9	Environment	\$1,000,000	State
10	Community Development	\$1,000,000	State
11	International Affairs	\$1,000,000	State
12	Other	\$1,000,000	State
13	Administrative	\$1,000,000	Local
14	Information Technology	\$500,000	Local
15	Legal Services	\$2,500,000	Local
16	Public Safety	\$1,500,000	Local
17	Transportation	\$3,000,000	Local
18	Health Services	\$2,000,000	Local
19	Education	\$1,500,000	Local
20	Energy	\$1,000,000	Local
21	Environment	\$1,000,000	Local
22	Community Development	\$1,000,000	Local
23	International Affairs	\$1,000,000	Local
24	Other	\$1,000,000	Local

RESEARCH REPORT NO. 1000

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U.S.A.

NO.	DATE	BY	REMARKS
1000	1958	J. H.
1001	1958	J. H.
1002	1958	J. H.
1003	1958	J. H.
1004	1958	J. H.
1005	1958	J. H.
1006	1958	J. H.
1007	1958	J. H.
1008	1958	J. H.
1009	1958	J. H.
1010	1958	J. H.

