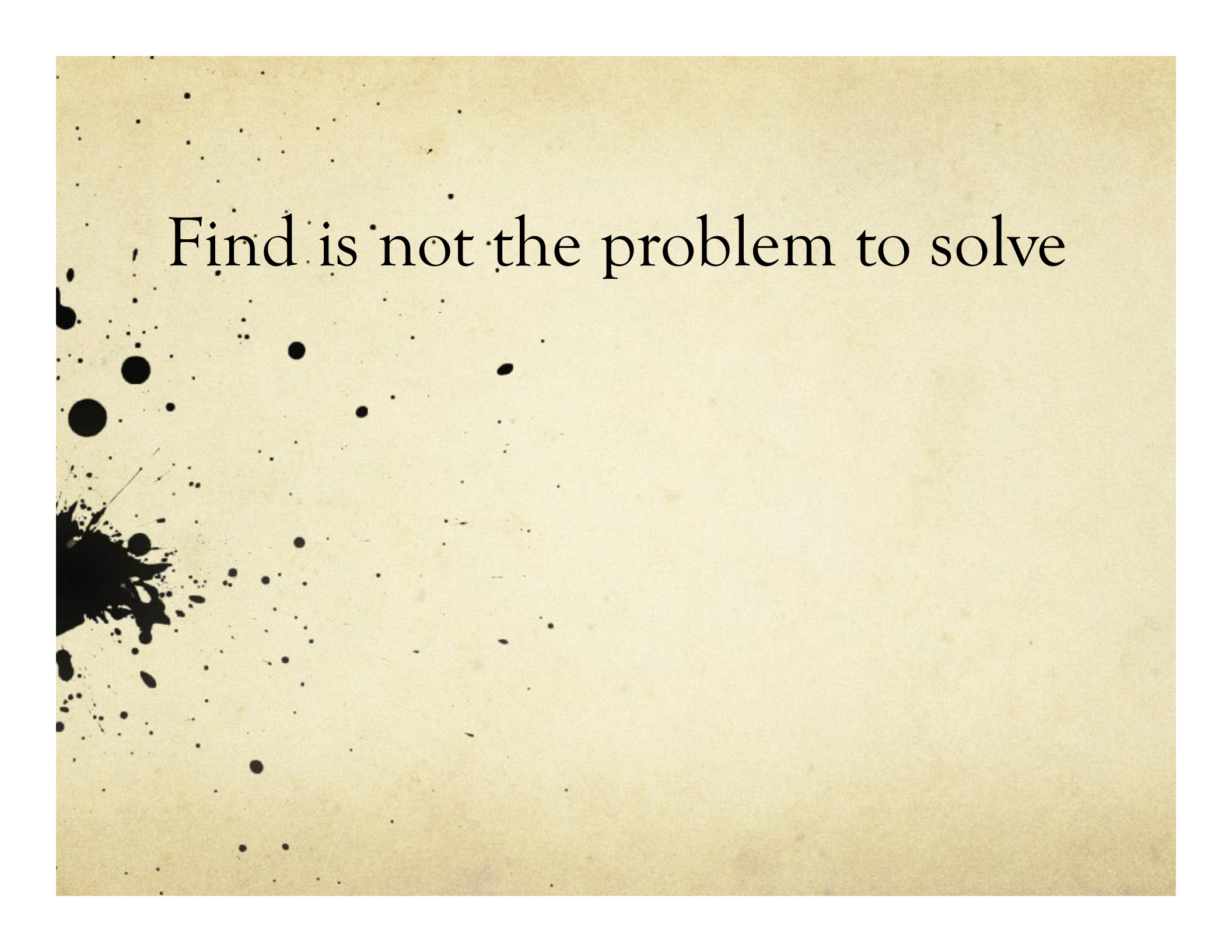


• The next “next generation library catalog”

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Find is not the problem to solve

It starts with counting

- Measuring length
- Measuring readability, or other indexes
- Measuring frequency of n-grams and POS
- Analyzing measurements and looking for patterns
- Graphing & charting analysis
- Drawing conclusions & making judgments

Simple counting

Author	Works	Words	Average	Grade	Flesch
Plato	25	1,162,46	46,499	12-15	54
Aristotle	19	950,078	50,004	13-17	50
Shakespeare	36	856,594	23,794	7-10	72

Individual words

- Plato - will, **one**, socrates, may, **good**, said, **man**, say, true, shall, like, can, must, another, men, now, also, things, first, let, nature, many, state, knowledge, and two
- Aristotle - **one**, will, must, also, things, **man**, may, animals, thing, two, time, can, another, part, first, either, like, **good**, case, nature, motion, since, others, now, and way
- Shakespeare - thou, will, thy, shall, lord, thee, sir, king, **good**, now, come, well, enter, love, let, hath, **man**, like, **one**, upon, know, say, make, may, and yet

Two-word phrases (bigrams)

- Plato - let us, one another, young socrates, just now, first place, every one, like manner, every man, quite true, two kinds, **human life**, one thing, will make, **human nature**, **human mind**, quite right, modern times, young men, can hardly, will never, will tell, dare say, will say, **false opinion**, and one else
- Aristotle - one another, something else, let uses, takes place, one thing, without qualification, middle term, first figure, b belongs, take place, **essential nature**, every one, **practical wisdom**, will belong, general rule, anything else, one might, **first principle**, good man, two things, two kinds, first place, like manner, one kind, and **scientific knowledge**
- Shakespeare - **king henry**, thou art, thou hast, **king richard**, **mark antony**, **prince henry**, let us, **king lear**, thou shalt, **duke vincentio**, dost thou, **sir toby**, art thou, **henry v**, **richard iii**, **toby belch**, scene ii, act iv, iv scene, exeunt king, **don pedro**, mistress quickly, act iii, thou dost, and **sir john**

Plato's bigrams

Aristotle's bigrams

Shakespeare's bigrams

“good man” in Plato

verness. To the **good man**, education is of all
n happen to the **good man** either in life or c
The rule of one **good man** is better than the
t and pious and **good man** is the friend of th
happens to be a **good man** is more than human

“good man” in Aristotle

felt, and the **good man** will never voluntarily
Therefore the **good man** should be a lover
self, and the **good man** obeys his reason.
d before, the **good man** has a right to rule
ne states the **good man** and the good citizen

“good man” in Shakespeare

Antonio is a **good man**. BASSANIO Hav
l whistle. A **good man**'s fortune may
ot hit it, my **good man**. BOYET An I c
comes; and my **good man** too: he's as
d her, alack, **good man**! And therefor

“love is” in Shakespeare

a familiar; **Love is** a devil: there is
PEED Because **Love is** blind. O, that yo
y night; for **Love is** like a child, Tho
ch. ROSALIND **Love is** merely a madness,
impediments. **Love is** not love Which al

Again, find is not the problem to solve. Instead, the problem to solve is *use*.

By combining full text content with the power of computers, the library “catalog” can be seen as an empowering tool.



The End

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