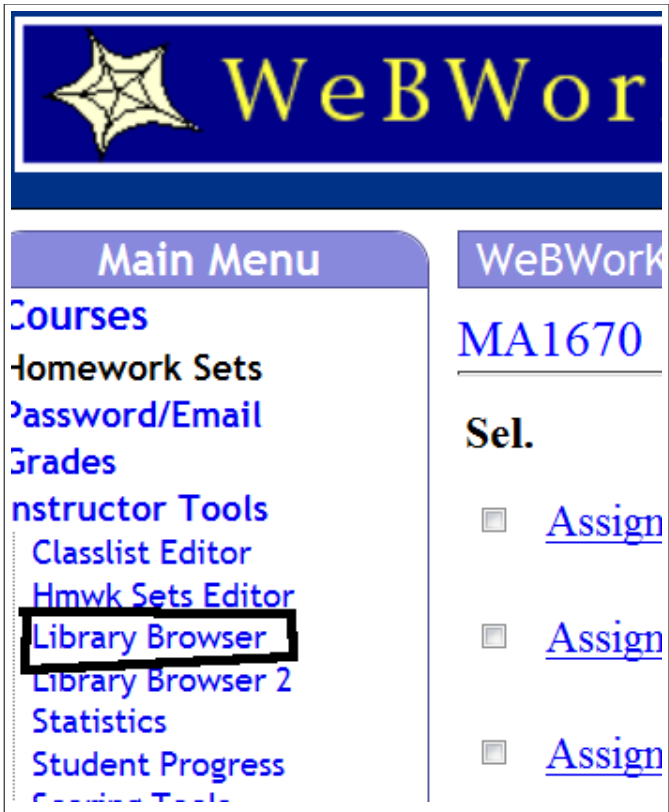
Webwork

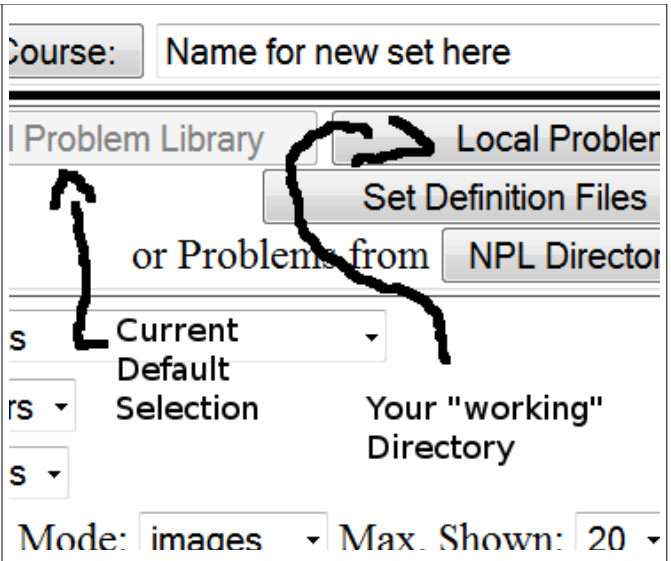
The first place to start is the programming: not because it is most important but because it is the biggest piece.

With the statistics I had to modify problems from the start. In my book/course (Chapter 1) we study nominal, ordinal, interval, ratio. The multiple choice problems that I found on the server only covered nominal, ordinal and interval. I had to modify to include the ratio. Also, with the statistics, tolerances is a big issue I have had to contend with.

I use webwork itself as the programming environment.

I start with something that works, "edit this file", make small change, "Save and View". If it stops working the trouble is the last thing you changed. Also save files as Local/ "something or the other". [I think there is a problem saving under Local/Library/ etc.]

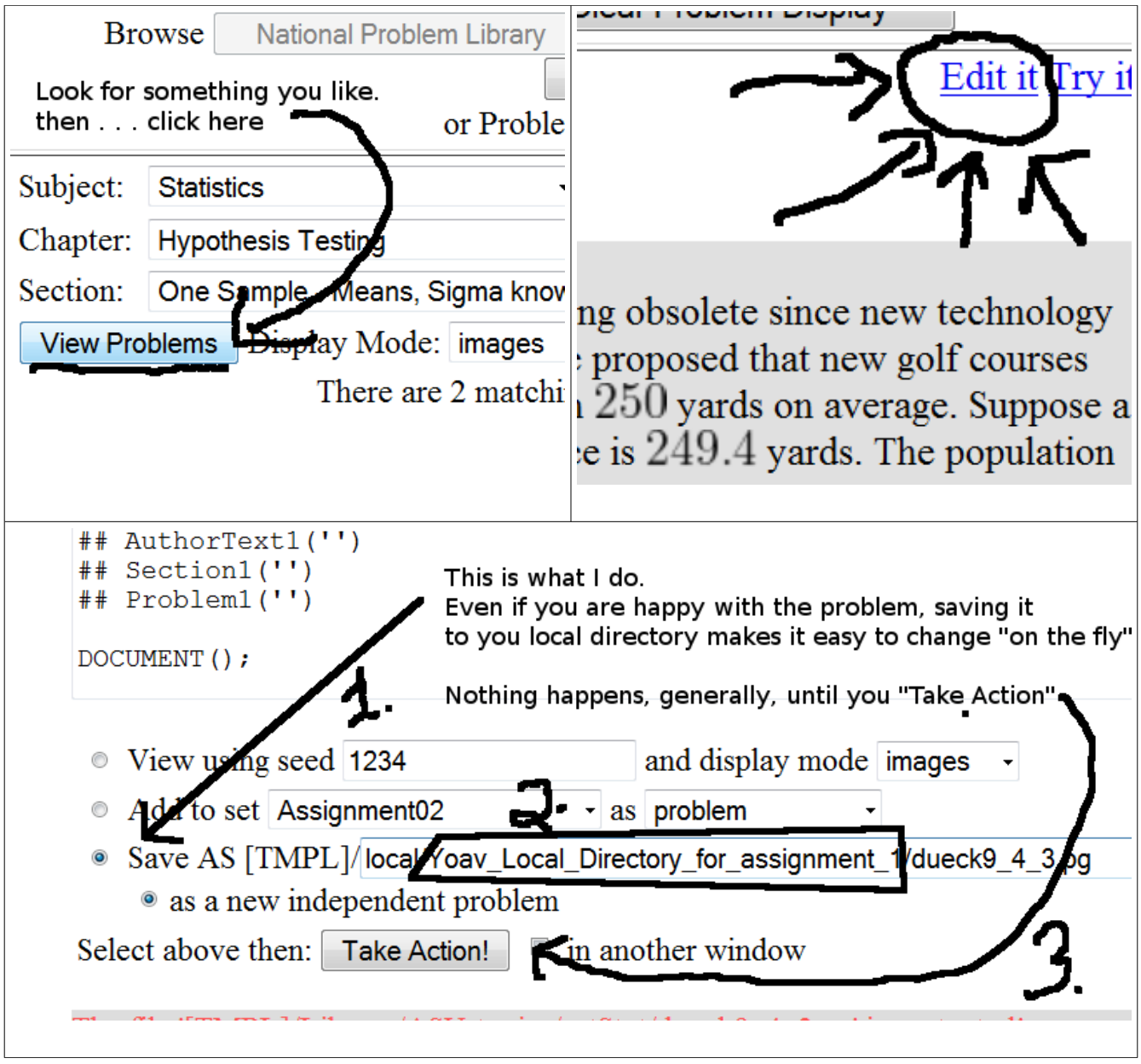




The "National Problem Library" - 28,000 problems. Sounds good but you will want to modify.

You will be saving your selections to the "Local Problems" so that you can modify them.

It seems that you can modify "on the fly" without affecting the students too much as long as you don't alter the random number stuff.


Browse
National Problem Library
Look for something you like.
then . . . click here
or Proble
Subject:
Statistics
Chapter:
Hypothesis Testing
Section:
One Sample - Means, Sigma knov
View Problems
Display Mode:
images
There are 2 matchi
Edit it
Try it
ng obsolete since new technology
proposed that new golf courses
250 yards on average. Suppose a
e is 249.4 yards. The population
AuthorText1('')
Section1('')
Problem1('')
DOCUMENT();
This is what I do.
Even if you are happy with the problem, saving it
to you local directory makes it easy to change "on the fly"
Nothing happens, generally, until you "Take Action"
1.
2.
3.
View using seed
1234
and display mode
images
Add to set
Assignment02
as
problem
Save AS [TMPL]/
local/Yoav_Local_Directory_for_assignment_1/dueck9_4_3.pg
as a new independent problem
Select above then:
Take Action!
in another window

```
BEGIN_TEXT

Golf-course designers have become
obsolete since new technology has
far.  Designers, therefore, have
expecting that the average golfer
yards on average.  Suppose a rand
their mean driving distance is \
deviation is \($sd\). Use a 5$PER

Calculate the followings for a hy
H_1 \mu < $mu\) $BR  $BR
(a) \( \ \) The test statistic is
(b) \( \ \) The P-Value is \{ans_

\{ $mc ->print_q() \} $BR
\{ $mc ->print_a() \}

END_TEXT
```

Students See this.

```
$mc -> extra($ans[1-$tag]);

BEGIN_TEXT

Hello Students  $BR  This is Yoav  $BR
Welcome $PAR
Hope you get 100 $PERCENT  [don't use the percent symbol]

END_TEXT

ANS(num_cmp($test, tol=>.007));
ANS(num_cmp($p, tol=>.002));
```

modified content.

View using seed 123456 and display mode images

Subsequent Saves

Add to set Assignment02 as problem

Save **[TMPL]/local/Yoav_Local_Directory_for_assignment_1/dueck9_4_3.pg** and View

Save AS [TMPL]/ local/Yoav_Local_Directory_for_assignment_1/dueck9_4_3.pg ,

as a new independent problem

First Save

Select above then: Take Action! in another window

Saved to file '[TMPL]/local/Yoav_Local_Directory_for_assignment_1/dueck9_4_3.pg'.
A new file has been created at '[TMPL]/local/Yoav_Local_Directory_for_assignment_1/dueck9_4_3
the contents below. No changes have been made to set Undefined_Set.

Warning -- there may be something wrong with this que including the warning messages below. (0 pts) **local/Yoav_Local_Directory_for_assignment_1/duec** Hello Students This is Yoav Welcome Hope you get 100 % [don't use the percent symbol] Edit this problem ☐ Show correct answers Preview Answers Check Answers Submit Answers	It tries very hard. Usually, for me, the pink stuff means there is an incompatibility in the number of answer_rule s and answer checkers. I repeatedly make small changes and save. The “view” can be another “tab” or “window” depending on how your browser is set up. It can actually cause a lot of confusion. I delete the output tab or page before I proceed to further modify.