

1. (a) Observational, observe objects without treatment

(b) 25 largest fire companies

(c) Not SRS

because sample should not be 25 largest

fire companies. Sample should also include small fire company

Tian Qin.

STAT350 HW6.

Instructor: Womble.

2. (a) Experimental, because treatment has been applied to roses.

(b) population: All roses.

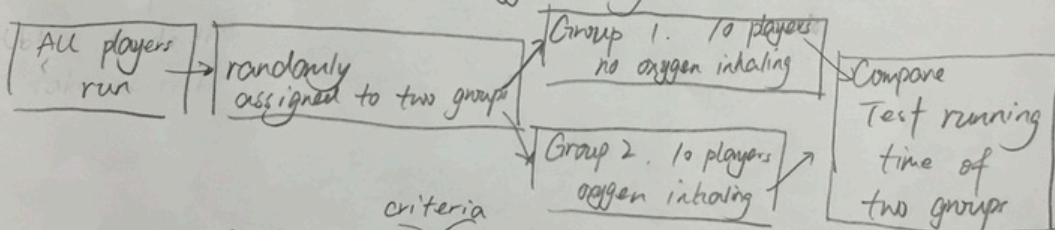
(c) Treatment: special spray

(d) outcome: the lifetime of each blossom.

(e) Simple Random selected blossom have different lifetime gene,
which gives each blossom different lifetime.

3. (a), (b) 10 of 20 players inhale oxygen during rest time

10 others do not inhale oxygen during break time.



5. Experiment 2. because rating is different from person to person.
but preference of two coffees is apparent.

6. Experiment, because each person has different initial.

We can only using increasing level of TBBW to measure placebo effectiveness.

7. injection: I
 skin patch: SP
 intravenous drip: ID

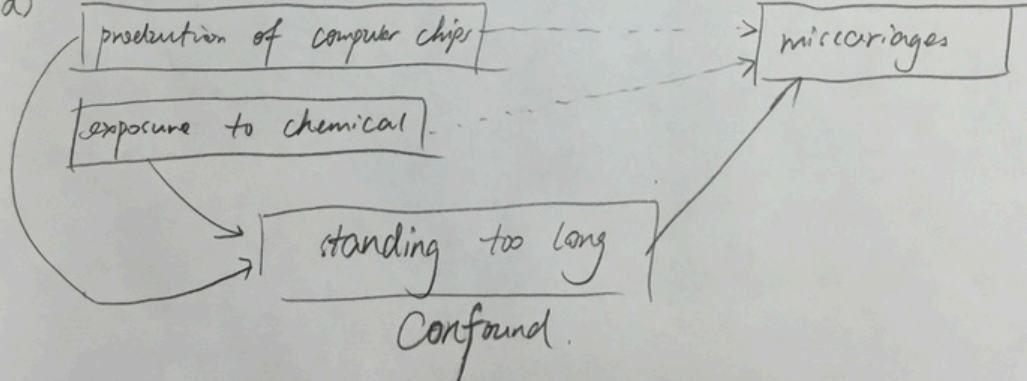
ALL
 SRS
 people,
 90 men
 90 female

randomly assigned
 to 9 groups
 for each sex

- 0 mg I
- 5 mg I
- 10 mg I
- 0 mg SP
- 5 mg SP
- 10 mg SP
- 0 mg ID
- 5 mg ID
- 10 mg ID

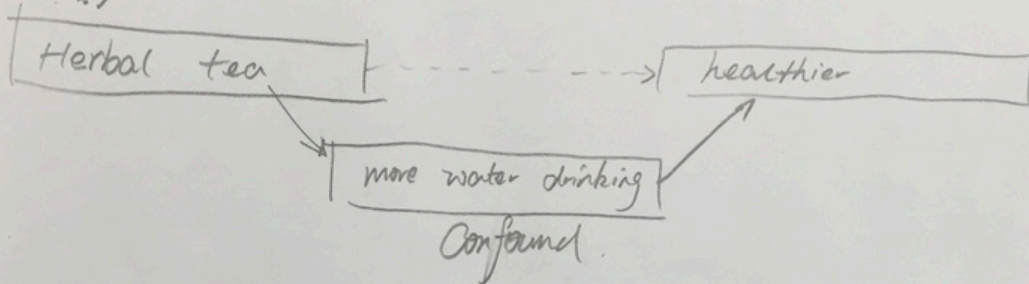
Compare test
 result for total
 18 groups

- 8 a). working in production of computer chips; chemical exposure. in work
 b). currently high numbers of miscarriages
 c). working with standing time too long. of miscarriages
 d).



9. a) more water drinking in the several months.

b)



10. a) False (no reason required)

b) Larger hospital has more patient remain space.

