

In Stata, how do I perform propensity score matching?

Stata does not have a built-in command for propensity score matching, a nonexperimental method of sampling that produces a control group whose distribution of covariates is similar to that of the treated group. However, there are several user-written modules for this method. The following modules are among the most popular:

```
psmatch2.ado  
pscore.ado  
nnmatch.ado
```

`psmatch2.ado` was developed by Leuven and Sianesi (2003) and `pscore.ado` by Becker and Ichino (2002). More recently, Abadie, Drukker, Herr, and Imbens (2004) introduced `nnmatch.ado`. They support pair-matching as well as subclassification.

You can find these modules using the `.net` command as follows:

```
.net search psmatch2  
.net search pscore  
.net search nnmatch
```

You can install these modules using the `.ssc` or `.net` command, for example:

```
.ssc install psmatch2, replace
```

After installation, read the help files to find the correct usage, for example:

```
.help psmatch2
```

Note: LIMDEP version 9 added a command for propensity score matching.

For more about statistical and mathematical software, [email the UITS Stat/Math Center](#), visit the center's [web page](#), or phone 812-855-4724 (IUB) or 317-278-4740 (IUPUI). The center is located in Bloomington at 410 N. Park Avenue, and is open for consultation by appointment Monday-Friday 9am-5pm.

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