

More NetLogo syntax

- Notes based on Programming Guide, examples at <http://ccl.northwestern.edu/netlogo/docs/>
- Anonymous procedures (lambdas)
- Multiple files

Anonymous procedures

- NetLogo supports anonymous procedures and reporters
- General syntax
 - `[[parameters] -> statement block]`
 - Statement block determines whether this is a procedure or a reporter
 - Execute anonymous procedures by using `run`
 - Execute anonymous reporters by using `runresult`
- Ex: `run [-> show "hello"]`
- Ex: `show runresult [-> 2 + 3]`
- When run with inputs, need `()` around call
`show (runresult [[x y] -> x + y] 2 3)`

Anonymous procedures

- Note that NetLogo does not treat named procedures/reporters in the same way
 - Cannot pass named procedure as a parameter or return one as a return value
 - Not a *first-class object* in the language

Multiple files

- Experimental, so not guaranteed to be supported in the future
- `__includes [file list]`
 - The double underscore at the start indicates experimental feature
 - File names enclosed in “”
 - File type must be “.nls”
 - NetLogo appends “.nlogo” by default, so may need to rename file
 - Can open included file using “Included files” pulldown menu on NetLogo