

Debugging ADMB code

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Common errors

1. **Semicolon** missing
⇒ compiler gives a helpful error message
2. **Data** not imported correctly
⇒ use trace macro in data section to write to screen or log file
3. **Array bounds** exceeded
⇒ use safe compilation
in the shell, type `admb -s model`
in admb-ide, select from ADMB menu: Target-Safe

Locate and fix

Compiler errors and warnings refer to line number in C++ file (mymodel.cpp)

⇒ Examine error in C++ file, but fix the error in ADMB file (mymodel.tpl)

GDB debugger

Advanced tool, intended for experienced C++ programmers only

See demonstration in ADMB-IDE manual