WARNING: You should install MATLAB (5.2 or later versions) and Microsoft Excel (2007 or later versions) before going into the installation details of the tools we are going to use to solve the mathematical optimization problems. Both UCSD and SDSU provides free access to these programs for students.

How to Load the Solver Add-in in Excel

Windows

1) For Excel 2010 and later, go to **File>Options**
    a. For Excel 2007, click **Microsoft Office Button>Excel Options**
2) Click **Add-Ins**, and then in the **Manage** box, select **Excel Add-ins**.
3) Click **Go**.
4) In the **Add-Ins available** box, select the **Solver Add-in** check box, and then click **OK**.
    a. If the **Solver Add-in** is not listed in the **Add-Ins available** box, click **Browse** to locate the add-in.
    b. If you get prompted that the Solver Add-in is not currently installed on your computer, click **Yes** to install it.
5) After you load the Solver Add-in, the **Solver** command is available in the **Analysis** group on the **Data** tab.

macOS

1) On the **Tools** menu, select **Excel Add-Ins**.
2) In the **Add-Ins available** box, select the **Solver Add-In** check box, and then click **OK**.
    a. If **Solver Add-in** is not listed in the **Add-Ins available** box, click **Browse** to locate the add-in.
    b. If you get a prompt that the Solver add-in is not currently installed on your computer, click **Yes** in the dialog box to install it.
3) After you load the Solver add-in, the **Solver** button is available on the **Data** tab.

Source: how-to-load-excel-solver

How to Install YALMIP

Easiest Solution

1) Open **MATLAB.**
2) **Run** the **following code** in the directory where you want to install YALMIP:

```
cd YALMIPfolderShouldbeHere
urlwrite('https://github.com/yalmip/yalmip/archive/master.zip','yalmip.zip');
unzip('yalmip.zip','yalmip')
addpath(genpath([pwd filesep 'yalmip']));
savepath
```

3) To test your installation, run the command **yalmiptest**.
    a. If things fail or you suspect there is some problem, solve a trivial problem with debug turned on and see what happens.

```
% Does YALMIP work at all? If not, we might not even be able to create a variable
x = sdpvar(x)

% Can any solver be called?
optimize(x>= 0, x,sdpsettings('debug',1))

% Problems with a specific solver?
optimize(x>= 0, x,sdpsettings('debug',1,'solver','thissolver'))
```

Source: [yalmip-installation]