



# Building and Installing gnuplot

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## 1 Introduction

This document describes the proper steps to install gnuplot on a user's Linux system. For any questions regarding this document, please contact Sentieon support at [support@sentieon.com](mailto:support@sentieon.com).

## 2 Background

gnuplot is a command-line graphics utility that for Linux and other operating systems. For more general information about gnuplot, please refer to <http://www.gnuplot.info/>.

The Sentieon software uses gnuplot to create figures using the output of the QualCal, VarCal, GCBias, QualDistribution, InsertSizeMetricAlgo, and MeanQualityByCycle algos.

## 3 Installation

Sentieon recommends building gnuplot from the repository source code. The latest version of gnuplot can be found at, <http://www.gnuplot.info/download.html>. More information on gnuplot configuration and installation can be found in the INSTALL and README files in the gnuplot source package.

Below, we show example installations on different operating systems.

### 3.1 Rocky Linux/AlmaLinux

```
yum install gcc make patch gzip tar cairo-devel pango-devel # may require sudo
curl -L "https://downloads.sourceforge.net/project/gnuplot/gnuplot/6.0.2/gnuplot-6.0.2.tar.gz
↪" | \
  tar -zxf -
cd gnuplot-6.0.2
./configure
make
make install # may require sudo
```

### 3.2 Ubuntu/Debian

```
apt update # may require sudo
apt install make gcc gzip libgd-dev libcairo2-dev libpango1.0-dev curl # may require sudo
curl -L "https://downloads.sourceforge.net/project/gnuplot/gnuplot/6.0.2/gnuplot-6.0.2.tar.gz
↪" | \
  tar -zxf -
cd gnuplot-6.0.2
./configure
make
make install # may require sudo
```

## 4 Usage in Sentieon

The sentieon plot commands will call gnuplot from the PATH to produce pdf files.



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