

Career Opportunities as a Statistician at Minitab

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Outline

- **Job opportunities**
- **Skills needed to be successful**
- **Career path**
- **Current job openings for statisticians**
- **My suggestions**

1. Job opportunities

- **Statistical Designer in Research & Design Dept. (PhD in Stat.)**
- **Statistical Training Specialist in Training Dept. (Minimum BSc in Stat.)**
- **Technical Support Specialist in Technical Support Dept. (Minimum BSc in Stat.)**
- **Quality Engineer in Quality Engineering Dept (BSc in Stat.)**

2. Skills Needed to be Successful

2.1 Statistical Designer (PhD in Stat.)

- Maintain extensive knowledge on statistical methodologies and make recommendations on what to develop for each release.
- Research on a specific statistical functionality thoroughly.
- Produce a design document for development
- Lead a team to implement a design
- Serve as the ultimate technical expert to address issues from users.
- Being able to implement statistical computing algorithms in C++ is a plus
- Require excellent communication skills

2. Skills Needed to be Successful...

2.2 Statistical Training Specialist (Minimum BSc in Stat.)

- Working knowledge of quality-related statistics as used in industry.
- Significant experience with Minitab Statistical Software or other software packages is essential.
- Experience in teaching in a commercial or professional environment.
- Excellent communication skills.
- Ability to travel extensively, both nationally and globally.
- Ability to conduct training in a second language is preferred.

2. Skills Needed to be Successful...

2.3 Technical Support Specialist (Minimum BSc in Stat.)

- Working knowledge of Minitab Statistical Software
- Answer technical support calls from users, solve complex statistical problems, or report issues to internal experts for further help, and communicate back solutions to users.
- Capture customer interaction, maintain customer records and information including suggestions for software improvements.
- Excellent oral and written communication skills.
- Ability to project a confident and professional manner over the phone.

2. Skills Needed to be Successful...

2.4 Quality Engineer (BSc in Stat.)

- Work as a member inside a command development team in charge of testing a newly implemented command of Minitab Statistical Software
- Come up with a proper test plan to cover all important usage scenarios for every newly developed command.
- Write Minitab macros or use other software packages to verify the numerical and graphical output displayed by the command.
- Accurately log incorrect results as tasks in a bug database so that software engineers can reproduce the problem and fix the problem.

3. Career Path

- Each position has four levels: **Junior**, **Senior**, **Advisory**, and **Senior Advisory**, which lay out a reasonable ladder for employees to move up.
- Company also provides extensive training opportunities for employees to be educated outside statistics field, such as taking courses in computer science, or earning a degree in management science if interested.

4. Current Job Openings

- Link: <http://www.minitab.com/en-us/employment/current-openings/>
- Hiring Statistical Training Specialist

5. My Suggestion

If you are a PhD candidate, and interested in working at a statistical software company, then taking multiple statistical computing courses that emphasize effective statistical algorithm coding will give you an extra edge.

C++, Java, R, and Python coding skills are great pluses.

At the end, I'd like to say it is a lot of fun to be a statistical designer at Minitab.

Thank you for your attention!