

## Git, GitHub & R-Studio Integration

1.	Download Git: <a href="http://www.git-scm.com/download">http://www.git-scm.com/download</a>								
2.	Install Git								
3.	Set up Git: <table border="1" style="margin-top: 10px; width: 100%;"> <tr> <td>Start → Git Bash</td><td></td></tr> <tr> <td>Setting up <b>user name</b></td><td>git config --global user.name "sach-703"</td></tr> <tr> <td>Setting up <b>user email</b></td><td>git config --global user.email "sach.703@gmail.com"</td></tr> <tr> <td>Check for <b>user name</b> and <b>user email</b></td><td>git config --list</td></tr> </table>	Start → Git Bash		Setting up <b>user name</b>	git config --global user.name "sach-703"	Setting up <b>user email</b>	git config --global user.email "sach.703@gmail.com"	Check for <b>user name</b> and <b>user email</b>	git config --list
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4.	Create Account in GitHub: <a href="https://github.com/">https://github.com/</a>								
5.	Create New Repository in GitHub GitHub → '+' → New Repository → Repository Name → Create Repository → Copy SSH address.								
6.	Create New Project in RStudio RStudio → File → New Project → Version Control → Git → Paste GitHub Repository address								
7.	Create RSA Key in RStudio RStudio → Tools → Global Option → Git/SVN → Create RSA Key → Create								
8.	Copy RSA Public Key RStudio → Tools → Global Option → Git/SVN → View Public Key → Copy								
9.	Paste RSA Public key in GitHub GitHub → Setting → SSH & GPG Keys → New SSH Key → Title → Paste Key → Add RSA Key								
10.	Create New script in R "script1.R" & Save it. RStudio → File → New File → R Script.								
11.	Commit Changes with Commit Message								
12.	Push Changes to GitHub								
13.	Check Changes Reflected in GitHub or Not?								
14.	Make Changes in "script1.R" File at GitHub & Commit.								
15.	Pull Files from GitHub								
16.	Check changes made in "script1.R" File at GitHub reflected in RStudio "script1.R" File or Not?								