

# Semantic Versioning



**Mosh Hamedani**  
[programmingwithmosh.com](https://programmingwithmosh.com)

```
1  {
2    "name": "npm-demo",
3    "version": "1.0.0",
4    "main": "index.js",
5    "scripts": {
6      "test": "echo \"Error: no test specified\" && exit 1"
7    },
8    "author": "",
9    "license": "ISC",
10   "keywords": [],
11   "description": "",
12   "dependencies": {
13     "mongoose": "^4.13.6", // Caret
14     "underscore": "^1.8.3"
15   }
16 }
17
```

```
1  {
2    "name": "npm-demo",
3    "version": "1.0.0",
4    "main": "index.js",
5    "scripts": {
6      "test": "echo \"Error: no test specified\" && exit 1"
7    },
8    "author": "",
9    "license": "ISC",
10   "keywords": [],
11   "description": "",
12   "dependencies": {
13     "mongoose": "^4.13.6", // SemVer
14     "underscore": "^1.8.3"
15   }
16 }
17
```

```
1  {
2    "name": "npm-demo",
3    "version": "1.0.0",
4    "main": "index.js",
5    "scripts": {
6      "test": "echo \"Error: no test specified\" && exit 1"
7    },
8    "author": "",
9    "license": "ISC",
10   "keywords": [],
11   "description": "",
12   "dependencies": {
13     "mongoose": "^4.13.6", // Major.Minor.Patch 4.13.7
14     "underscore": "^1.8.3"
15   }
16 }
17
```

```
1  {
2    "name": "npm-demo",
3    "version": "1.0.0",
4    "main": "index.js",
5    "scripts": {
6      "test": "echo \"Error: no test specified\" && exit 1"
7    },
8    "author": "",
9    "license": "ISC",
10   "keywords": [],
11   "description": "",
12   "dependencies": {
13     "mongoose": "^4.13.6", // Major.Minor.Patch 4.14.0
14     "underscore": "^1.8.3"
15   }
16 }
17
```

```
1  {
2    "name": "npm-demo",
3    "version": "1.0.0",
4    "main": "index.js",
5    "scripts": {
6      "test": "echo \"Error: no test specified\" && exit 1"
7    },
8    "author": "",
9    "license": "ISC",
10   "keywords": [],
11   "description": "",
12   "dependencies": {
13     "mongoose": "^4.13.6", // Major.Minor.Patch 5.0.0
14     "underscore": "^1.8.3"
15   }
16 }
17
```

```
1  {
2    "name": "npm-demo",
3    "version": "1.0.0",
4    "main": "index.js",
5    "scripts": {
6      "test": "echo \"Error: no test specified\" && exit 1"
7    },
8    "author": "",
9    "license": "ISC",
10   "keywords": [],
11   "description": "",
12   "dependencies": {
13     "mongoose": "^4.13.6", // 4.x
14     "underscore": "~1.8.3" // Tilde 1.8.x
15   }
16 }
17
```