1. **Blockchains are costly and inefficient**
   - Mostly False
   - Blockchains can be more costly to operate compared to traditional databases. The cost depends on the specific blockchain implementation and the use case. Permissioned blockchains, which are more controlled, tend to be more efficient than permissionless blockchains like Bitcoin.

2. **You need an advanced degree to work with blockchain**
   - False
   - While expertise is helpful, many tools and platforms are available that allow individuals to work with blockchain technology without a deep understanding of the underlying technology.

3. **All data put on a blockchain is public**
   - Mostly False
   - Not all data on a blockchain is public. Private blockchains provide more control over data access. In a private blockchain, data is encrypted and can only be accessed by authorized users or parties.

4. **Blockchain is better than traditional databases**
   - Mostly False
   - While blockchain technology offers certain advantages over traditional databases, such as transparency and immutability, it may not be the best fit for all use cases. Traditional databases can be more efficient and scalable for certain types of data and operations.

5. **Blockchain is immutable and unhackable**
   - Mostly True
   - Blockchains are designed to be immutable; once a transaction is recorded on the blockchain, it cannot be altered. However, blockchain applications can still be hacked if they are connected to external systems or if the blockchain itself is not properly secured.

6. **Enterprise businesses are not adopting blockchain**
   - False
   - Many large enterprises, including banks, insurance companies, and healthcare providers, are adopting blockchain technology for various applications, such as supply chain management, identity verification, and financial transactions.

7. **Blockchain is cost effective when compared to traditional methods**
   - Mostly False
   - The cost-effectiveness of blockchain technology depends on the specific application and implementation. While blockchain can offer certain benefits, it also has associated costs, such as energy consumption for proof-of-work blockchains.

CompTIA’s Blockchain Advisory Council identified seven popular myths about the technology and analyzed the truth behind each one.