**Beginner Certifications**

1. **Google Data Analytics Professional Certificate**
   * **Link:** [Google Certificate](https://www.coursera.org/professional-certificates/google-data-analytics)
   * **Description:** 6 months duration (10 hours/week), $39/month subscription. Covers data cleaning, analysis, and visualization using tools like SQL and R.
2. **IBM Data Analyst Professional Certificate**
   * **Link:** [IBM Certificate](https://www.coursera.org/professional-certificates/ibm-data-analyst)
   * **Description:** Approximately 11 months duration (10 hours/week), $39/month subscription. Focuses on Python, SQL, and data visualization with IBM tools.
3. **CompTIA Data+**
   * **Link:** [CompTIA Data+](https://www.comptia.org/certifications/data)
   * **Description:** Exam-based certification, $246. Covers data mining, analysis, and visualization; requires 18-24 months of experience.

**Intermediate Certifications**

1. **Microsoft Certified: Power BI Data Analyst Associate**
   * **Link:** [Power BI Certification](https://learn.microsoft.com/en-us/certifications/power-bi-data-analyst-associate/)
   * **Description:** Exam fee approximately $165. Validates skills in data preparation and visualization using Power BI.
2. **AWS Certified Data Analytics – Specialty**
   * **Link:** [AWS Certification](https://aws.amazon.com/certification/certified-data-analytics-specialty/)
   * **Description:** 3-hour exam, $300. For professionals experienced with AWS services focused on analytics solutions.
3. **Certified Analytics Professional (CAP)**
   * **Link:** [CAP Certification](https://www.certifiedanalytics.org/)
   * **Description:** Exam-based certification, $695. Covers the entire analytics process from problem framing to model deployment.

**Advanced Certifications**

1. **Associate Certified Analytics Professional (aCAP)**
   * **Link:** [aCAP Certification](https://www.certifiedanalytics.org/" \t "_blank)
   * **Description:** Exam-based certification, $300 for non-members. Focuses on foundational analytics knowledge for recent graduates.
2. **SAS Certified Advanced Analytics Professional**
   * **Link:** [SAS Certification](https://www.sas.com/en_us/certification/credentials/advanced-analytics.html)
   * **Description:** Exam cost varies ($180-$250). Focuses on predictive modeling and advanced analytics techniques.
3. **Cloudera Data Analyst Certification**
   * **Link:** [Cloudera Certification](https://www.cloudera.com/about/training/certification.html)
   * **Description:** Exam-based certification, approximately $295. Emphasizes big data analytics skills using Cloudera's platform.

**Free Data Analytics Certifications**

1. **Google Data Analytics Professional Certificate**
   * **Link:** [Google Data Analytics](https://www.coursera.org/professional-certificates/google-data-analytics)
   * **Description:** 6 months duration (10 hours/week), $39/month subscription after a 7-day free trial. Covers data analysis fundamentals using SQL, R, and Tableau.
2. **IBM Data Analyst Professional Certificate**
   * **Link:** [IBM Data Analyst](https://www.coursera.org/professional-certificates/ibm-data-analyst)
   * **Description:** Approximately 4 months duration (10 hours/week), $39/month subscription after a 7-day free trial. Focuses on Python, SQL, and data visualization tools.
3. **Simplilearn Free Data Analyst Course**
   * **Link:** [Simplilearn Course](https://www.simplilearn.com/learn-data-analytics-for-beginners-skillup)
   * **Description:** 3 hours of self-paced video lessons, free of charge. Covers data analytics fundamentals with a completion certificate.
4. **Data Analysis with Python for Excel Users**
   * **Link:** [FreeCodeCamp Course](https://www.freecodecamp.org/learn/data-analysis-with-python/" \t "_blank)
   * **Description:** Free course focusing on Python for data analysis; includes practical projects for hands-on learning.
5. **Learn to Code for Data Analysis (OpenLearn)**
   * **Link:** [OpenLearn Course](https://www.open.edu/openlearn/science-maths-technology/learn-code-data-analysis/content-section-overview?active-tab=description-tab" \t "_blank)
   * **Description:** 8-week course, free of charge, covers basic programming and data analytics concepts with a participation certificate.