

KENTUCKY HORSE RACING AND GAMING CORPORATION
JOB DESCRIPTION

JOB TITLE: Gaming Data Analyst
DEPARTMENT: Gaming
REPORTS TO: Directors of Pari-Mutuel Wagering and Sports Wagering

JOB SUMMARY:

The Gaming Data Analyst supports the Kentucky Horse Racing and Gaming Corporation (KHRGC) by collecting, analyzing, and interpreting data from all gaming operations, including pari-mutuel and sports wagering. This role leverages technical tools and methodologies, such as Excel, Tableau, Python, and SQL, to generate reports, identify trends, and provide actionable insights that enhance regulatory oversight and operational efficiency.

The Gaming Data Analyst must possess strong analytical skills, technical expertise, and the ability to communicate findings effectively to both technical and non-technical stakeholders. This position plays a key role in ensuring data-driven decision-making within KHRGC's regulatory framework.

ESSENTIAL DUTIES/RESPONSIBILITIES:

- Collect, clean, and analyze data from gaming operations to support regulatory oversight.
- Develop and maintain reports, dashboards, and visualizations using tools such as Excel, Tableau, Python, and SQL.
- Identify trends, patterns, and anomalies in gaming data to assist with compliance monitoring and operational improvements.
- Provide insights and recommendations to leadership based on data analysis to support strategic decision-making.
- Monitor and record historical horse racing data and reports, quarterly wagering reports, terminal counts, purses paid reports, player account balances, and excise tax distributions.
- Analyze requests from licensees related to historical horse racing, such as requests to update software or offer new game themes and math models and recommend approval or denial of same.
- Assist in drafting gaming regulations related to technical standards.
- Ensure data integrity and accuracy by implementing best practices for data validation and quality control.
- Collaborate with internal teams to support all work using data-driven approaches.
- Automate data collection and reporting processes to improve efficiency.
- Communicate analytical findings effectively to both technical and non-technical audiences.
- Stay current with industry trends and advancements in data analysis techniques relevant to gaming and regulatory compliance.
- Support the Gaming Division Directors in executing KHRGC's regulatory duties and operational responsibilities.
- Requires sitting at a computer for long periods.
- May require periodic travel, with occasional overtime and/or alternate schedules as needed.
- Other duties and tasks as assigned.

KNOWLEDGE/SKILLS/EXPERIENCE:

- Bachelor's degree required. 3-5 years of experience in data analytics, statistics, finance, computer science, business administration, or a related field preferred.
- Proficiency in data analysis tools and languages, including Excel, Tableau, Python, and SQL.
- Strong analytical and problem-solving skills with the ability to interpret complex datasets.
- Experience in data visualization and reporting.
- Excellent verbal and written communication skills, with the ability to present insights clearly to stakeholders.
- Detail-oriented with strong organizational skills and the ability to manage multiple priorities.
- Ability to work both independently and collaboratively in a fast-paced regulatory environment.

COMPENSATION:

Compensation will be based on experience. KHRGC employees participate in the Kentucky Employees Retirement System, and are eligible to participate in the Kentucky health, life, and deferred compensation programs.